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OM protein - protein search, using SW model

Run on: March 27, 2006, 19:41:31 ; Search time 23 Seconds
(without alignments)
71.892 Million cell updates/sec

Title: US-10-057-136A-1
Perfect score: 109
Sequence: 1 GSTAPPAHGVTSAPDTRPAP 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued Patents AA:*
2: /cgn2_6/pdata/1/1aa/5 COMB.pep:*
3: /cgn2_6/pdata/1/1aa/6 COMB.pep:*
4: /cgn2_6/pdata/1/1aa/7 CTUS COMB.pep:*
5: /cgn2_6/pdata/1/1aa/8 COMB.pep:*
6: /cgn2_6/pdata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	109	100.0	20	2	US-09-641-833-1
2	109	100.0	20	2	US-08-766-350B-33
3	109	100.0	23	2	US-08-766-350B-34
4	109	100.0	30	2	US-08-737-896-6
5	109	100.0	30	2	US-09-593-870A-47
6	109	100.0	30	4	PCT-US96-09951-6
7	109	100.0	32	2	US-09-593-870A-46
8	109	100.0	40	1	US-08-099-354-1
9	109	100.0	40	1	US-08-288-059-7
10	103	94.5	25	2	US-09-497-232-5
11	99	90.8	24	2	US-08-737-896-5
12	99	90.8	24	2	US-09-497-232-23
13	99	90.8	24	4	PCT-US96-09951-5
14	99	90.8	25	2	US-09-217-306B-3
15	98	89.9	30	2	US-08-134-198B-13
16	95	87.2	177	2	US-09-646-028-54
17	94	86.2	20	2	US-08-134-198B-35
18	92	84.4	24	2	US-09-217-306B-16
19	92	84.4	24	2	US-09-217-306B-17
20	91	83.5	28	1	US-08-488-161-9
21	91	83.5	28	2	US-09-273-685-9
22	91	83.5	28	4	PCT-US95-11934-9
23	91	83.5	1867	2	US-08-479-537A-5
24	91	83.5	1867	2	US-09-083-116-5
25	91	83.5	1867	2	US-09-134-916A-5
26	91	83.5	2035	1	US-08-479-537A-2
27	91	83.5	2035	2	US-09-083-116-2

28	91	83.5	2035	2	US-09-134-916A-2	Sequence 2, Appl
29	90	82.6	172	2	US-09-646-028-49	Sequence 49, Appl
30	88	80.7	20	2	US-08-766-350B-55	Sequence 55, Appl
31	87	79.8	40	1	US-08-099-354-2	Sequence 2, Appl
32	87	79.8	40	1	US-08-288-059-8	Sequence 8, Appl
33	84	77.1	20	1	US-08-479-537A-3	Sequence 3, Appl
34	84	77.1	20	2	US-09-083-116-3	Sequence 3, Appl
35	84	77.1	20	2	US-09-134-916A-3	Sequence 3, Appl
36	83	76.1	20	1	US-08-833-807-8	Sequence 8, Appl
37	83	76.1	20	2	US-09-223-043-8	Sequence 8, Appl
38	83	76.1	20	2	US-09-291-351-1	Sequence 1, Appl
39	83	76.1	20	2	US-09-043-731-16	Sequence 16, Appl
40	83	76.1	20	2	US-09-593-870A-20	Sequence 20, Appl
41	83	76.1	20	2	US-08-834-240-1	Sequence 1, Appl
42	83	76.1	21	1	US-08-833-807-7	Sequence 7, Appl
43	83	76.1	21	2	US-09-223-043-7	Sequence 7, Appl
44	83	76.1	21	2	US-09-043-731-15	Sequence 15, Appl
45	83	76.1	21	2	US-09-593-870A-19	Sequence 19, Appl

ALIGNMENTS

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RESULT 1
US-09-641-833-1
; Sequence 1, Application US/09641833
; Patent No. 6716966
; GENERAL INFORMATION:
; APPLICANT: Mediyalakan, Regupathy
; TITLE OF INVENTION: Therapeutic Binding Agents Against MUC-1 Antigen and
; TITLE OF INVENTION: Methods
; TITLE OF INVENTION: for Their Use
; FILE REFERENCE: 107823.127
; CURRENT APPLICATION NUMBER: US/09/641,833
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MUC-1 antigen
US-09-641-833-1

Query Match      100.0%; Score 109; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Db      1 GSTAPPAHGVTSAPDTRPAP 20

RESULT 2
US-08-766-350B-33
; Sequence 33, Application US/08766350B
; Patent No. 6949244
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Malaya
; Poon, Kenneth A.
; Chatterjee, Sunil K.
; TITLE OF INVENTION: MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESS: MORRISON & FORSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,350B
FILING DATE: 13-Dec-1996
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Polizzi, Catherine M.
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 30414-20003.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: /note= "May also be the amino acid
arginine(R)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: /note= "May also be the amino acid
glutamine(E)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 16
OTHER INFORMATION: /note= "May also be the amino acid
serine(S)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 19
OTHER INFORMATION: /note= "May also be the amino acid
proline(P)"
SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-08-766-350B-33
Query Match 100.0%; Score 109; DB 2; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 1 GSTAPPAGVTSAPDTRPAP 20
RESULT 3
US-08-766-350B-34
Sequence 34, Application US/08766350B
Patent No. 6949244
GENERAL INFORMATION:
APPLICANT: Chatterjee, Malaya
Poon, Kenneth A.
TITLE OF INVENTION: MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY
11D10 AND METHODS OF USE THEREOF
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,350B
FILING DATE: 13-Dec-1996
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Polizzi, Catherine M.
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 30414-20003.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: /note= "May also be the amino acid
arginine(R)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 18
OTHER INFORMATION: /note= "May also be the amino acid
glutamine(E)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 19
OTHER INFORMATION: /note= "May also be the amino acid
serine(S)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 22
OTHER INFORMATION: /note= "May also be the amino acid
proline(P)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: /note= "May also be the amino acid
proline(P)"
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-08-766-350B-34
Query Match 100.0%; Score 109; DB 2; Length 23;
Best Local Similarity 100.0%; Pred. No. 2.7e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 4 GSTAPPAGVTSAPDTRPAP 23
RESULT 4
US-08-737-896-6
Sequence 6, Application US/08737896
Patent No. 6168804
GENERAL INFORMATION:
APPLICANT: Samuel, John
TITLE OF INVENTION: METHOD FOR ELICITING TH1-SPECIFIC
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: LA JOLLA

STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/737,896
FILING DATE: 24-SEP-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/480,499
FILING DATE: 07-JUN-1996
APPLICATION NUMBER: PCT/US96/09551
FILING DATE: 07-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07254/037001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
CLONE: SPL-070 MUC1
US-08-737-896-6

Query Match 100.0%; Score 109; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 3.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 5 GSTAPPAGVTSAPDTRPAP 24

RESULT 5
US-09-593-870A-47
Sequence 47, Application US/09593870A
Patent No. 6548643
GENERAL INFORMATION:
APPLICANT: McKenzie, Ian F.C.
APPLICANT: Apostolopoulos, Vasso
APPLICANT: Pieterasz, Geoff Allan
TITLE OF INVENTION: Antigen Carbohydrate Compounds and Their
FILE REFERENCE: 2368-McKenzie
CURRENT APPLICATION NUMBER: US/09/593,870A
CURRENT FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: 09/223,043
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 69
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 47
LENGTH: 30
TYPE: PRT
ORGANISM: Homo sapiens
US-09-593-870A-47

Query Match 100.0%; Score 109; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 3.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 8 GSTAPPAGVTSAPDTRPAP 27

RESULT 6
PCT-US96-09951-6
Sequence 6, Application PC/TUS9609951
GENERAL INFORMATION:
APPLICANT: The Governors of the University of Alberta
TITLE OF INVENTION: A METHOD FOR ELICITING A TH1-SPECIFIC
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09951
FILING DATE: 06-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Learn, June M.
REGISTRATION NUMBER: 31,238
REFERENCE/DOCKET NUMBER: 07254/037001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
CLONE: SPL-070 MUC1
FEATURE:
NAME/KEY: Peptide
LOCATION: 1.30
PCT-US96-09951-6

Query Match 100.0%; Score 109; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 3.6e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 5 GSTAPPAGVTSAPDTRPAP 24

RESULT 7
US-09-593-870A-46
Sequence 46, Application US/09593870A
Patent No. 6548643
GENERAL INFORMATION:
APPLICANT: McKenzie, Ian F.C.
APPLICANT: Apostolopoulos, Vasso
APPLICANT: Pieterasz, Geoff Allan
TITLE OF INVENTION: Antigen Carbohydrate Compounds and Their
FILE REFERENCE: 2368-McKenzie
CURRENT APPLICATION NUMBER: US/09/593,870A
CURRENT FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: 09/223,043
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 69
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 46

LENGTH: 32
TYPE: PRT
ORGANISM: Homo sapiens
US-09-593-870A-46

Query Match 100.0%; Score 109; DB 2; Length 32;
Best Local Similarity 100.0%; Pred. No. 3.8e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 8 GSTAPPAGVTSAPDTRPAP 27

RESULT 8
US-08-099-354-1
Sequence 1, Application US/08099354
Patent No. 5744144
GENERAL INFORMATION:
APPLICANT: PINN, OLIVERA J.
APPLICANT: FONTENOT, J. D.
APPLICANT: MONTELLARO, RONALD C.
TITLE OF INVENTION: SYNTHETIC MULTIPLE TANDEM REPEAT MUCIN
TITLE OF INVENTION: AND MUCIN-LIKE PEPTIDES, AND USES THEREOF
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSER: CUSHMAN, DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/099,354
FILING DATE: 30-JUL-1993
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: SIRILLA, GEORGE M.
REGISTRATION NUMBER: 18221
REFERENCE/DOCKET NUMBER: 6137/202246
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3536
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-099-354-1

Query Match 100.0%; Score 109; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 9 GSTAPPAGVTSAPDTRPAP 28

RESULT 9
US-08-288-059-7
Sequence 7, Application US/08288059
Patent No. 5827666
GENERAL INFORMATION:
APPLICANT: PINN, OLIVERA J.

APPLICANT: FONTENOT, J. D.
APPLICANT: MONTELLARO, RONALD C.
TITLE OF INVENTION: SYNTHETIC MULTIPLE TANDEM REPEAT MUCIN
TITLE OF INVENTION: AND MUCIN-LIKE PEPTIDES, AND USES THEREOF
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSER: CUSHMAN DARBY & CUSHMAN, L.L.P.
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/288,059
FILING DATE: 08-AUG-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: CHAPIN, MARILYN K.
REGISTRATION NUMBER: 35,843
REFERENCE/DOCKET NUMBER: 61137/205204
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3711
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-288-059-7

Query Match 100.0%; Score 109; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 9 GSTAPPAGVTSAPDTRPAP 28

RESULT 10
US-09-497-232-5
Sequence 5, Application US/09497232
Patent No. 6600012
GENERAL INFORMATION:
APPLICANT: AGRAWAL, Babita
KRANTZ, Mark J.
REDDISH, Mark A.
LONGSNECKER, B. Michael
TITLE OF INVENTION: METHOD FOR GENERATING ACTIVATED T-CELLS
AND ANTIGEN-PULSED ANTIGEN-PRESENTING CELLS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSER: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/497,232

;; FILING DATE: 03-Feb-2000
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/074,410
;; FILING DATE: 08-MAY-1998
;; APPLICATION NUMBER: US 60/045,949
;; FILING DATE: 08-MAY-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Saxe, Bernhard D.
;; REGISTRATION NUMBER: 28,665
;; REFERENCE/DOCKET NUMBER: 042881/0114
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202) 672-5300
;; TELEFAX: (202) 672-5399
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 25 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: <Unknown>
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-497-232-5
Query Match 94.5%; Score 103; DB 2; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 STAPAHGVTSAADTRPAP 20
DB 1 STAPAHGVTSAADTRPAP 19
RESULT 11
US-08-737-896-5
;; Sequence 5, Application US/08737896
;; Patent No. 6168804
;; GENERAL INFORMATION:
;; APPLICANT: Samuel, John
;; APPLICANT: Kwon, Glen S.
;; TITLE OF INVENTION: METHOD FOR ELICITING TH1-SPECIFIC
;; TITLE OF INVENTION: IMMUNE RESPONSE
;; NUMBER OF SEQUENCES: 8
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Fish & Richardson P.C.
;; STREET: 4225 Executive Square, Suite 1400
;; CITY: La Jolla
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92037
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: Windows 95
;; SOFTWARE: FastSeq for Windows Version 2.0b
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/737,896
;; FILING DATE: 24-SEP-1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/480,499
;; FILING DATE: 07-JUN-1996
;; APPLICATION NUMBER: PCT/US96/09551
;; FILING DATE: 07-JUN-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Halle, Lisa A.
;; REGISTRATION NUMBER: 38,347
;; REFERENCE/DOCKET NUMBER: 07254/037001
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619/678-5070
;; TELEFAX: 619/678-5099
;; INFORMATION FOR SEQ ID NO: 5:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 24 amino acids

;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; IMMEDIATE SOURCE:
;; CLONE: SPQ-065 MUC1
US-08-737-896-5
Query Match 90.8%; Score 99; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 6.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 TAPAHGVTSAADTRPAP 20
DB 1 TAPAHGVTSAADTRPAP 18
RESULT 12
US-09-497-232-23
;; Sequence 23, Application US/09497232
;; Patent No. 6600012
;; GENERAL INFORMATION:
;; APPLICANT: AGRAML, Babita
;; APPLICANT: KRANTZ, Mark J.
;; APPLICANT: REDDISH, Mark A.
;; APPLICANT: LONGENECKER, B. Michael
;; TITLE OF INVENTION: METHOD FOR GENERATING ACTIVATED T-CELLS
;; TITLE OF INVENTION: AND ANTIGEN-PULSED ANTIGEN-PRESENTING CELLS
;; NUMBER OF SEQUENCES: 34
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: FOLEY & LARDNER
;; STREET: 3000 K Street, N.W.
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20007-5109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/497,232
;; FILING DATE: 03-Feb-2000
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/09/074,410
;; FILING DATE: 08-MAY-1998
;; APPLICATION NUMBER: US 60/045,949
;; FILING DATE: 08-MAY-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Saxe, Bernhard D.
;; REGISTRATION NUMBER: 28,665
;; REFERENCE/DOCKET NUMBER: 042881/0114
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202) 672-5300
;; TELEFAX: (202) 672-5399
;; INFORMATION FOR SEQ ID NO: 23:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 24 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: <Unknown>
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-497-232-23
Query Match 90.8%; Score 99; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 6.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 TAPAHGVTSAADTRPAP 20
DB 1 TAPAHGVTSAADTRPAP 18

RESULT 13
PCT-US96-09951-5
Sequence 5, Application PC/TUS9609951
GENERAL INFORMATION:
APPLICANT: The Governors of the University of Alberta
TITLE OF INVENTION: A METHOD FOR ELICITING A THI-SPECIFIC
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09951
FILING DATE: 06-JUN-1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Leairn, June M.
REGISTRATION NUMBER: 31,238
REFERENCE/DOCKET NUMBER: 07254/037W01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
CLONE: SPQ-065 MUC1
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..24
PCT-US96-09951-5

Query Match 90.8%; Score 99; DB 4; Length 24;
Best Local Similarity 100.0%; Pred. No. 6.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TAPPAHGVTSAPDTRPAP 20
Db 1 TAPPAHGVTSAPDTRPAP 18

RESULT 14
US-09-217-306B-3
Sequence 3, Application US/09217306B
Patent No. 6465220
GENERAL INFORMATION:
APPLICANT: Hassan, Helle
APPLICANT: Clausen, Henrik
APPLICANT: Bennett, Eric P.
TITLE OF INVENTION: Glycosylation Using GalNAc-T4 Transferase
FILE REFERENCE: 8850*1
CURRENT APPLICATION NUMBER: US/09/217,306B
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
LENGTH: 25
TYPE: PRT

ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: RRPBAT
LOCATION: (1)..(25)
OTHER INFORMATION: MUC-1 tandem repeat
US-09-217-306B-3

Query Match 90.8%; Score 99; DB 2; Length 25;
Best Local Similarity 100.0%; Pred. No. 6.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TAPPAHGVTSAPDTRPAP 20
Db 1 TAPPAHGVTSAPDTRPAP 18

RESULT 15
US-08-134-198E-13
Sequence 13, Application US/08134198E
Patent No. 6190885
GENERAL INFORMATION:
APPLICANT: CANCER RESEARCH FUND
APPLICANT: OF CONTRA COSTA
APPLICANT: PETERSON, JERRY A.
APPLICANT: LARROCCA, DAVID J.
TITLE OF INVENTION: FUSION PROTEIN CONTAINING HMG

NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder & Poplawski
STREET: 444 South Flower Street, Suite 1900
CITY: Los Angeles
STATE: California
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/134,198E
FILING DATE: October 8, 1993
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: P66 38208 (CRFC-003C)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-4210
TELEFAX: (213) 622-7700
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 30
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-134-198E-13

Query Match 89.9%; Score 98; DB 2; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAHGVTSAPDTRP 18
Db 13 GSTAPPAHGVTSAPDTRP 30

Search completed: March 27, 2006, 19:42:15
Job time : 24 secs


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; OTHER INFORMATION: Description of Artificial Sequence:R4 recombinase
; OTHER INFORMATION: atc8
US-09-788-297-31

Query Match      46.7%; Score 28; DB 3; Length 295;
Best Local Similarity 66.7%; Pred. No. 81;
Matches 40; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      1 GGCTCCACGGCCCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCGCCG 60
DB      114 GGCGCCACCTCCACGCGCCGCTGCATGTCATCCGCGCCCGCTTGGAGCGCGCGCG 55

RESULT 3
US-09-854-133-713/C
; Sequence 713, Application US/09854133
; Patent No. 6759508
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Rodonh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 713
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-713

Query Match      45.0%; Score 27; DB 3; Length 423;
Best Local Similarity 66.1%; Pred. No. 1.4e+02;
Matches 39; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      2 GCTCCACGGCCCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCGCCG 60
DB      122 GCGCCACCGCGCGCGCGCTGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 64

RESULT 4
US-09-902-540-5119/C
; Sequence 5119, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 5119
; LENGTH: 339
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-5119

Query Match      44.3%; Score 26.6; DB 3; Length 339;
Best Local Similarity 66.7%; Pred. No. 1.8e+02;
Matches 38; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY      3 CTCACCGCGCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCGCCG 59
DB      111 CTCACCGCGCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCGCCG 59

; OTHER INFORMATION: Description of Artificial Sequence:R4 recombinase
; OTHER INFORMATION: atc8
US-10-029-517-100

Query Match      42.7%; Score 25.6; DB 3; Length 336;
Best Local Similarity 66.1%; Pred. No. 3.3e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY      1 GGCTCCACGGCCCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCG 56
DB      241 GGCTCCTCCACGACGACGAGGAGATGTCACTCGGCCCCGAGACACGAGCCGCG 296

RESULT 5
US-10-029-517-100
; Sequence 100, Application US/10029517
; Patent No. 6716627
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Susan J. Myers
; TITLE OF INVENTION: ANTISENSE MODULATION OF MUCIN 1, TRANSMEMBRANE EXPRESSION
; FILE REFERENCE: RTS-0352
; CURRENT APPLICATION NUMBER: US/10/029,517
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 107
; SEQ ID NO 100
; LENGTH: 336
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-10-029-517-100

Query Match      42.7%; Score 25.6; DB 3; Length 336;
Best Local Similarity 66.1%; Pred. No. 3.3e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY      1 GGCTCCACGGCCCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCG 56
DB      241 GGCTCCTCCACGACGACGAGGAGATGTCACTCGGCCCCGAGACACGAGCCGCG 296

RESULT 6
US-09-252-991A-1348
; Sequence 1348, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1348
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1348

Query Match      42.3%; Score 25.4; DB 3; Length 432;
Best Local Similarity 64.4%; Pred. No. 3.6e+02;
Matches 38; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY      1 GGCTCCACGGCCCCCGCCAGCCAGCGTGTCACTCGGCCCCGAGACACGAGCCGCGCC 59
DB      147 GACACGACGACGACGAGCGCGCGTGTGAGCGGACCCCGCACACCTGTGCGGAGCG 205

RESULT 7
US-09-270-767-2836
; Sequence 2836, Application US/09270767
; Patent No. 6703451
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2836
LENGTH: 169
TYPE: DNA
ORGANISM: Drosophila melanogaster
US-09-270-767-2836

Query Match 42.0%; Score 25.2; DB 3; Length 169;
Best Local Similarity 66.7%; Pred. No. 4.4e+02;
Matches 36; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 6 CACCGCCCCCGCCGCGGTGTCACCTCGGCCGGAACACGAGCGGCCCC 59
DB 19 CGCGCCCGCGCGCCGCGGTGTCGCGCCGCGCCGCGAGCGGCCCGCC 72

RESULT 8
US-09-270-767-18118
Sequence 18118, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:

APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 18118
LENGTH: 169
TYPE: DNA
ORGANISM: Drosophila melanogaster
US-09-270-767-18118

Query Match 42.0%; Score 25.2; DB 3; Length 169;
Best Local Similarity 66.7%; Pred. No. 4.4e+02;
Matches 36; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 6 CACCGCCCCCGCCGCGGTGTCACCTCGGCCGGAACACGAGCGGCCCC 59
DB 19 CGCGCCCGCGCGCCGCGGTGTCGCGCCGCGCCGCGAGCGGCCCGCC 72

RESULT 9

US-08-896-164-15
Sequence 15, Application US/08896164
Patent No. 6218521
GENERAL INFORMATION:

APPLICANT: Obara, Yuichi
TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ASSOCIATED
TITLE OF INVENTION: WITH GASTRIC CANCER AND METHODS FOR
TITLE OF INVENTION: DIAGNOSING AND TREATING GASTRIC CANCER
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44mb
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/896,164
FILING DATE: July 17, 1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: No. 6218521man D. Hanson
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5499 - JEL/NDH/SLH

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 311 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-896-164-15

US-08-896-164-15

Query Match 41.7%; Score 25; DB 3; Length 311;
Best Local Similarity 62.7%; Pred. No. 4.7e+02;
Matches 37; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 2 GCTCCAGCGCCCGCCGAGCGGTGTCACCTCGGCCGGAACACGAGCGGCCCG 60
DB 62 GCTCCCGCGCGCCCGCCGAGCGGTGTCGCGCCGCGAGCGGTGTCACCTCGGCCGGAACACGAGCGGCCCG 120

RESULT 10
US-09-397-787-24

Sequence 24, Application US/09397787
Patent No. 6468738
GENERAL INFORMATION:
APPLICANT: Benson, Darin R.
APPLICANT: Lodes, Michael J.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
TITLE OF INVENTION: CANCER THERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.466C2
CURRENT APPLICATION NUMBER: US/09/397,787
CURRENT FILING DATE: 1999-09-16
NUMBER OF SEQ ID NOS: 334
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 24
LENGTH: 248
TYPE: DNA
ORGANISM: Homo sapien
US-09-397-787-24

Query Match 41.0%; Score 24.6; DB 3; Length 248;
Best Local Similarity 65.5%; Pred. No. 6e+02;
Matches 36; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 5 CCACGCGCCCGCCGAGCGGTGTCACCTCGGCCGGAACACGAGCGGCCCGCC 59
DB 78 CCGCGCGCGCGCCCGCCGAGCGGTGTCGCGCCGCGAGCGGTGTCACCTCGGCCGGAACACGAGCGGCCCGCC 132

RESULT 11
US-09-643-597-215
Sequence 215, Application US/09643597
Patent No. 6426072
GENERAL INFORMATION:

APPLICANT: Wang, Tongrong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Bangun, Chaitanya S.
APPLICANT: Hosken, Nancy
APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yael A.W.
APPLICANT: Henderson, Robert A.
APPLICANT: McNeill, Patricia D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C11
CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369

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/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 215
/ LENGTH: 381
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (17)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (20)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (60)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (61)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (365)
/ OTHER INFORMATION: n=A,T,C or G
/ US-09-643-597-215
```

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Query Match          41.0%; Score 24.6; DB 3; Length 381;
Best Local Similarity 65.5%; Pred. No. 5.8e+02;
Matches 36; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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Oy 5 CCACCGCCCCCGGCGGCTGCTCAGCTCGGCCCCGACACGAGCGGCCCC 59
DB 154 CCGCGCGCCCCCGGCGGCTGCTCAGCTCGGCCCCGACACGAGCGGCCCC 208
```

```
RESULT 12
US-09-480-884A-215
/ Sequence 215, Application US/09480884A
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Tongtong
/ APPLICANT: Fan, Liqun
/ APPLICANT: Hosken, Nancy A.
/ APPLICANT: Hosken, Michael D.
/ APPLICANT: Fanger, Gary R.
/ TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.455C6
/ CURRENT APPLICATION NUMBER: US/09/480,884A
/ CURRENT FILING DATE: 2001-08-27
/ NUMBER OF SEQ ID NOS: 330
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 215
/ LENGTH: 381
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)...(381)
/ OTHER INFORMATION: n=A,T,C or G
/ US-09-480-884A-215
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Query Match          41.0%; Score 24.6; DB 3; Length 381;
Best Local Similarity 65.5%; Pred. No. 5.8e+02;
Matches 36; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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```
Oy 5 CCACCGCCCCCGGCGGCTGCTCAGCTCGGCCCCGACACGAGCGGCCCC 59
DB 154 CCGCGCGCCCCCGGCGGCTGCTCAGCTCGGCCCCGACACGAGCGGCCCC 208
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```
RESULT 13
US-09-542-615A-215
/ Sequence 215, Application US/09542615A
/ Patent No. 6518256
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Wang, Tongtong
/ APPLICANT: Fan, Liqun
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Bangur, Chaitanya S.
/ APPLICANT: Hosken, Nancy A.
/ APPLICANT: Fanger, Gary R.
/ TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.455C8
/ CURRENT APPLICATION NUMBER: US/09/542,615A
/ CURRENT FILING DATE: 2000-04-14
/ NUMBER OF SEQ ID NOS: 350
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 215
/ LENGTH: 381
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (17)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (20)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (60)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (61)
/ OTHER INFORMATION: n=A,T,C or G
/ NAME/KEY: unsure
/ LOCATION: (365)
/ OTHER INFORMATION: n=A,T,C or G
/ US-09-542-615A-215
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```
Query Match          41.0%; Score 24.6; DB 3; Length 381;
Best Local Similarity 65.5%; Pred. No. 5.8e+02;
Matches 36; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
```

```
Oy 5 CCACCGCCCCCGGCGGCTGCTCAGCTCGGCCCCGACACGAGCGGCCCC 59
DB 154 CCGCGCGCCCCCGGCGGCTGCTCAGCTCGGCCCCGACACGAGCGGCCCC 208
```

```
RESULT 14
US-09-606-421B-215
/ Sequence 215, Application US/09606421B
/ Patent No. 6513115
/ GENERAL INFORMATION:
```

```
/ APPLICANT: Wang, Tongtong
/ APPLICANT: Fan, Liqun
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Bangur, Chaitanya S.
/ APPLICANT: Hosken, Nancy
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Li, Samuel X.
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skelky, Yaelir A.W.
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
/ TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
/ FILE REFERENCE: 210121.455C9
/ CURRENT APPLICATION NUMBER: US/09/606,421B
/ CURRENT FILING DATE: 2000-06-28
/ NUMBER OF SEQ ID NOS: 358
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 215
/ LENGTH: 381
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (17)
/ OTHER INFORMATION: n=A,T,C or G
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FEATURE:
NAME/KEY: unsure
LOCATION: (20)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (60)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (61)
OTHER INFORMATION: n=A,T,C or G
FEATURE:
NAME/KEY: unsure
LOCATION: (365)
OTHER INFORMATION: n=A,T,C or G
US-09-606-421B-215

Query Match 41.0%; Score 24.6; DB 3; Length 381;
Best Local Similarity 65.5%; Pred. No. 5.8e+02;
Matches 36; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 5 CCACCGCCCCCAGCCGAGTGTACCTCGGCCCCGACACCAAGCGCGCCCC 59
DB 154 CCACCGCCCCCAGCCGAGTGTACCTCGGCCCCGACACCAAGCGCGCCCC 208

RESULT 15
US-09-466-396A-215
Sequence 215, Application US/09466396A
Patent No. 6696247
GENERAL INFORMATION:
APPLICANT: Wang, Tonglong
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND
DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C4
CURRENT APPLICATION NUMBER: US/09/466,396A
CURRENT FILING DATE: 1999-12-17
NUMBER OF SEQ. ID NOS: 224
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 215
LENGTH: 381
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: unsure
LOCATION: (17)
OTHER INFORMATION: n=A,T,C or G
NAME/KEY: unsure
LOCATION: (20)
OTHER INFORMATION: n=A,T,C or G
NAME/KEY: unsure
LOCATION: (60)
OTHER INFORMATION: n=A,T,C or G
NAME/KEY: unsure
LOCATION: (61)
OTHER INFORMATION: n=A,T,C or G
NAME/KEY: unsure
LOCATION: (365)
OTHER INFORMATION: n=A,T,C or G
US-09-466-396A-215

Query Match 41.0%; Score 24.6; DB 3; Length 381;
Best Local Similarity 65.5%; Pred. No. 5.8e+02;
Matches 36; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 5 CCACCGCCCCCAGCCGAGTGTACCTCGGCCCCGACACCAAGCGCGCCCC 59
DB 154 CCACCGCCCCCAGCCGAGTGTACCTCGGCCCCGACACCAAGCGCGCCCC 208

Search completed: March 27, 2006, 16:33:29
Job time : 55.5 secs

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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 Seconds
(without alignments)
1921.668 Million cell updates/sec

Title: US-10-057-136a-12

Perfect score: 60
Sequence: 1 GGATGACGAGCGCACCCGC.....CGATACGAGACCGCGCT 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0
MaximumDBseqlength:500

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/1/COMB.seq: *
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4: /cgn2_6/prodata/1/ina/6B/COMB.seq: *
5: /cgn2_6/prodata/1/ina/H/COMB.seq: *
6: /cgn2_6/prodata/1/ina/PCTUS/COMB.seq: *
7: /cgn2_6/prodata/1/ina/PP/COMB.seq: *
8: /cgn2_6/prodata/1/ina/RE/COMB.seq: *
9: /cgn2_6/prodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	26.2	40.7	336	3	US-09-860-473-28 Sequence 28, Appl
C 2	24	43.0	60	3	US-09-475-947A-246 Sequence 246, App
C 3	22.6	37.7	274	3	US-09-621-976-16450 Sequence 16450, A
C 4	22	36.7	68	3	US-09-304-967-53 Sequence 53, Appl
C 5	22	36.7	78	3	US-09-304-967-94 Sequence 94, Appl
C 6	22	36.7	78	3	US-09-304-967-96 Sequence 96, Appl
C 7	22	36.7	222	3	US-09-902-540-2990 Sequence 2990, Ap
C 8	21.8	36.3	305	3	US-09-313-294A-5819 Sequence 5819, Ap
C 9	21.8	36.3	403	2	US-08-997-080-163 Sequence 163, App
C 10	21.8	36.3	403	2	US-08-997-362-163 Sequence 163, App
C 11	21.8	36.3	403	3	US-09-095-855-163 Sequence 163, App
C 12	21.8	36.3	403	3	US-09-324-542-163 Sequence 163, App
C 13	21.8	36.3	403	3	US-09-205-426-163 Sequence 163, App
C 14	21.6	36.0	83	3	US-09-304-967-75 Sequence 75, Appl
C 15	21.6	35.3	289	3	US-09-513-999C-35414 Sequence 35414, A
C 16	21.2	35.3	396	3	US-10-197-220-15 Sequence 15, Appl
C 17	21.2	35.3	415	3	US-09-096-731A-44 Sequence 44, Appl
C 18	21.2	35.3	478	3	US-09-096-731A-43 Sequence 43, Appl
C 19	21	35.0	68	3	US-09-304-967-51 Sequence 51, Appl
C 20	21	35.0	68	3	US-09-304-967-55 Sequence 55, Appl
C 21	21	35.0	68	3	US-09-304-967-57 Sequence 57, Appl
C 22	21	35.0	78	3	US-09-304-967-100 Sequence 100, Appl
C 23	21	35.0	83	3	US-09-304-967-79 Sequence 79, Appl
C 24	21	35.0	147	3	US-09-902-540-5252 Sequence 5252, Ap

25	21	35.0	258	3	US-09-902-540-4395 Sequence 4395, Ap
26	20.8	34.7	280	3	US-09-513-999C-30985 Sequence 30985, A
C 27	20.8	34.7	450	3	US-09-252-991A-5753 Sequence 5753, Ap
C 28	20.6	34.3	102	3	US-09-270-767-7771 Sequence 7771, A
C 29	20.6	34.3	102	3	US-09-270-767-23053 Sequence 23053, A
C 30	20.6	34.3	110	3	US-08-783-853A-25 Sequence 25, Appl
C 31	20.6	34.3	110	3	US-09-344-050-25 Sequence 25, Appl
C 32	20.6	34.3	267	3	US-09-252-991A-13951 Patent No. 5200327
C 33	20.6	34.3	386	9	US-08-318-193-1 Patent No. 5200327
C 34	20.6	34.3	392	2	US-09-252-991A-7402 Sequence 7402, Ap
C 35	20.6	34.3	432	3	US-09-252-991A-3890 Sequence 3890, Ap
C 36	20.6	34.3	441	3	US-09-252-991A-2337 Sequence 2337, Ap
C 37	20.6	34.3	450	3	US-09-902-540-2337 Sequence 2337, Ap
C 38	20.6	34.3	468	3	US-09-252-991A-7288 Sequence 7288, Ap
C 39	20.2	33.7	324	3	US-09-902-540-7580 Sequence 7580, Ap
C 40	20.2	33.7	417	2	US-09-252-991A-15150 Sequence 15150, A
41	20.2	33.7	446	2	US-08-796-414B-5 Sequence 5, Appl
42	20	33.3	48	3	US-09-304-967-47 Sequence 47, Appl
43	20	33.3	48	3	US-09-304-967-67 Sequence 67, Appl
44	20	33.3	48	3	US-09-304-967-90 Sequence 90, Appl
45	20	33.3	68	3	US-09-304-967-49 Sequence 49, Appl

ALIGNMENTS

RESULT 1
US-09-860-473-28/C
; Sequence 28, Application US/09860473
; Patent No. 6656732
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION
; FILE REFERENCE: R1S-0222
; CURRENT APPLICATION NUMBER: US/09/860,473
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 28
; LENGTH: 336
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-860-473-28

Query Match 43.7%; Score 26.2; DB 3; Length 336;
Best Local Similarity 67.3%; Pred. No. 8.7;
Matches 37; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGATGACGAGCGCACCCGCATGCGTCAGAGCGCTCCGATACGAGACCGG 55
DB 107 GGACGTCAGCGGAGCGGCGGACGCGGCTCCGCTCCGAGCGCGG 53

RESULT 2
US-09-475-947A-246
; Sequence 246, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
; APPLICANT: Garner, Harold R.
; APPLICANT: Wren, Jonathan D.
; APPLICANT: Minna, John D.
; TITLE OF INVENTION: Polymorphic Repeats in Human Genes
; FILE REFERENCE: UTS00667
; CURRENT APPLICATION NUMBER: US/09/475,947A
; CURRENT FILING DATE: 1999-12-31
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 246
; LENGTH: 60
; TYPE: DNA
; ORGANISM: human
US-09-475-947A-246

Query Match 40.0%; Score 24; DB 3; Length 60;
Best Local Similarity 68.8%; Pred. No. 42;
Matches 33; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACAGGGCCACCGGCATGCGCTCCGAGATACGAGACCG 54
DB 13 ACCGCCCCCAGCCAGCGTGTCTTCGCGCCGAGACAGCGCG 60

RESULT 3

US-09-621-16450/C
; Sequence 16450, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 16450
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 123,127
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-16450

Query Match 37.7%; Score 22.6; DB 3; Length 274;
Best Local Similarity 57.6%; Pred. No. 1.4e+02;
Matches 34; Conservative 2; Mismatches 23; Indels 0; Gaps 0;

QY 1 GGTAGTACAGCCGCAACCCGACATGCGCTCCGAGATACGAGACCGCGCC 59
DB 131 GCGCMWASNGCAGCGCTTACGTCCTTACGTCGCGCGGAGAACAGACCGCGCGCC 73

RESULT 4

US-09-304-967-53
; Sequence 53, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 53

LENGTH: 68
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-53

Query Match 36.7%; Score 22; DB 3; Length 68;
Best Local Similarity 67.4%; Pred. No. 2e+02;
Matches 31; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 15 ACCGCAATGCGCTCAGACGCTCCGAGATACGAGACCGCGCT 60
DB 2 ATCTCTAAGGTGTACTTCTGCTCTGATATAGACTGCTCTCT 47

RESULT 5

US-09-304-967-94
; Sequence 94, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 94
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-94

Query Match 36.7%; Score 22; DB 3; Length 78;
Best Local Similarity 67.4%; Pred. No. 2e+02;
Matches 31; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 15 ACCGCAATGCGCTCAGACGCTCCGAGATACGAGACCGCGCT 60
DB 4 AACTGTAAATGTGTACTTCTGCTCTGATATAGACTGCTCTCT 49

RESULT 6

US-09-304-967-96
; Sequence 96, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18

PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 96
LENGTH: 78
TYPE: DNA
ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-96

Query Match 36.7%; Score 22; DB 3; Length 78;
Best Local Similarity 73.7%; Pred. No. 2e+02;
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 23 ATGGCGTCACGAGCGCTCCGATACGAGCCGCGCCT 60
Db 15 ATGGTGTACTTCTGCTCCTGATACGAGCCTGCTCT 52

RESULT 7
US-09-902-540-2990/c
Sequence 2990, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCES: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 2990
LENGTH: 222
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-2990

Query Match 36.7%; Score 22; DB 3; Length 222;
Best Local Similarity 67.4%; Pred. No. 2.2e+02;
Matches 31; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 5 GTACAGCGCCACCCGACATGCGGTACGAGCGCTCCGATACGAG 50
Db 60 GTGCAGCACCGAGCGCGACGTACCGCGCTCTCGACGAG 15

RESULT 8
US-09-313-294A-5819/c
Sequence 5819, Application US/09313294A
Patent No. 6476212
GENERAL INFORMATION:
APPLICANT: Ialagudi, Raghunath V.
APPLICANT: Ito, Laura Y.
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
FILE REFERENCES: PL-0017 US
CURRENT APPLICATION NUMBER: US/09/313,294A
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 7600
SOFTWARE: PERL Program
SEQ ID NO 5819
LENGTH: 305
TYPE: DNA
ORGANISM: Zea mays
FEATURES:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. 6476212 700350734H1
NAME/KEY: unsure
LOCATION: 52-53, 300

OTHER INFORMATION: a, t, c, g, or other
US-09-313-294A-5819

Query Match 36.3%; Score 21.8; DB 3; Length 305;
Best Local Similarity 61.4%; Pred. No. 2.6e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 2 GTATACAGCGCCACCGACATGCGGTACGAGCGCTCCGATACGAGCCGCGC 58
Db 177 GTAAGCACCGCCCTCCGCTACGCGGCGACGAGCGACCTCTCTACTGAGAGC 121

RESULT 9
US-08-997-080-163
Sequence 163, Application US/08997080
Patent No. 5968524
GENERAL INFORMATION:
APPLICANT: WATSON, JAMES D.
APPLICANT: TAN, PAUL L.J.
TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
CORRESPONDENCE ADDRESS: 194
ADDRESS: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,080
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000.1007
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 163:
SEQUENCE CHARACTERISTICS:
LENGTH: 403 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-997-080-163

Query Match 36.3%; Score 21.8; DB 2; Length 403;
Best Local Similarity 61.4%; Pred. No. 2.7e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 4 AGTACAGCGCCACCGACATGCGGTACGAGCGCTCCGATACGAGCCGCGCCT 60
Db 30 AGTACAGCGCCGCGACCTGAGCGCGCGGAGAACTCCCTCGGACATCGGCGCGCCT 86

RESULT 10
US-08-997-362-163
Sequence 163, Application US/08997362
Patent No. 5965287
GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Hiyaama, Jun
APPLICANT: Visser, Elizabeth

APPLICANT: Skinner, Margot
APPLICANT: Scott, Linda
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSER: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,362
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/873,970
FILING DATE: June 12, 1997
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/705,347
FILING DATE: August 29, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000.1002c2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 163:
SEQUENCE CHARACTERISTICS:
LENGTH: 403 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-997-362-163

Query Match 36.3%; Score 21.8; DB 2; Length 403;
Best Local Similarity 61.4%; Pred. No. 2.7e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 4 AGTACAGCGCCACCGGCACATGCGCTCGGATACGAGACCGCGCT 60
DB 30 AGTACAGCGCGCCGCGACCTGACGCGCGAGAACTCCGTGCGCATCGCGCGCGCT 86

RESULT 11
US-09-095-855-163
Sequence 163; Application US/09095855
Patent No. 6160093
GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Vlasier, Elizabeth
APPLICANT: Skinner, Margot
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: Compounds and Methods for
TITLE OF INVENTION: Treatment and Diagnosis of Mycobacterial Infections
NUMBER OF SEQUENCES: 208
CORRESPONDENCE ADDRESS:
ADDRESSER: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/095,855
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/705,347
FILING DATE: 29-AUG-1996
APPLICATION NUMBER: 08/873,970
FILING DATE: 12-JUN-1997
APPLICATION NUMBER: 08/997,362
FILING DATE: 23-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000.1002c3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 163:
SEQUENCE CHARACTERISTICS:
LENGTH: 403 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-095-855-163

Query Match 36.3%; Score 21.8; DB 3; Length 403;
Best Local Similarity 61.4%; Pred. No. 2.7e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 4 AGTACAGCGCCACCGGCACATGCGCTCGGATACGAGACCGCGCT 60
DB 30 AGTACAGCGCGCCGCGACCTGACGCGCGAGAACTCCGTGCGCATCGCGCGCGCT 86

RESULT 12
US-09-324-542-163
Sequence 163; Application US/09324542
Patent No. 6328978
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Tan, Paul L.J.
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: Methods and Compounds for the Treatment
TITLE OF INVENTION: of Immunologically-Mediated Skin Disorders
FILE REFERENCE: 11000.1007c1
CURRENT APPLICATION NUMBER: US/09/324,542
CURRENT FILING DATE: 1999-06-02
EARLIER APPLICATION NUMBER: US 08/997,080
EARLIER FILING DATE: 1997-12-23
NUMBER OF SEQ ID NOS: 194
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 163
LENGTH: 403
TYPE: DNA
ORGANISM: Mycobacterium vaccae
US-09-324-542-163

Query Match 36.3%; Score 21.8; DB 3; Length 403;
Best Local Similarity 61.4%; Pred. No. 2.7e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 4 AGTACAGCGCCACCGGCACATGCGCTCGGATACGAGACCGCGCT 60
DB 30 AGTACAGCGCGCCGCGACCTGACGCGCGAGAACTCCGTGCGCATCGCGCGCGCT 86

RESULT 13
US-09-205-426-163

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; Sequence 163, Application US/09205426
; Patent No. 6406704
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; TITLE OF INVENTION: Compounds and Methods for Treatment and
; FILE REFERENCE: 11000.1002c4
; CURRENT APPLICATION NUMBER: US/09/205,426
; EARLIER APPLICATION NUMBER: 09/095,855
; EARLIER FILING DATE: 1998-06-11
; EARLIER APPLICATION NUMBER: 08/997,362
; EARLIER FILING DATE: 1997-12-23
; EARLIER APPLICATION NUMBER: 08/873,970
; EARLIER FILING DATE: 1997-06-12
; EARLIER APPLICATION NUMBER: 08/705,347
; EARLIER FILING DATE: 1996-08-29
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 163
; LENGTH: 403
; TYPE: DNA
; ORGANISM: Mycobacterium vaccae
; US-09-205-426-163
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```
Query Match 36.3%; Score 21.8; DB 3; Length 403;
Best Local Similarity 61.4%; Pred. No. 2.7e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
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QY 4 AGTACGCGCCGACATGCGCTCCGATACGAGCCGCGCCT 60
DB 30 AGTACGCGCCGACATGCGCTCCGATACGAGCCGCGCCT 86
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```
RESULT 14
US-09-304-967-75
; Sequence 75, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendis, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 75
; LENGTH: 83
; TYPE: DNA
; ORGANISM: Lucerne transient streak virus
; US-09-304-967-75
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Query Match 36.0%; Score 21.6; DB 3; Length 83;
Best Local Similarity 68.2%; Pred. No. 2.7e+02;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
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QY 17 CCGACATGCGCTCAGCGCGCTCCGATACGAGCCGCGCCT 60
DB 11 CCATTAACGGGTACTTCTGCTCTGATAGACTGCTGCTCT 54
```

```
RESULT 15
US-09-513-999C-35414/c
; Sequence 35414, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59. US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 3681
; SOFTWARE: Patent.pm
; SEQ ID NO 35414
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 192
; OTHER INFORMATION: s=g or c
; US-09-513-999C-35414
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Query Match 35.3%; Score 21.2; DB 3; Length 289;
Best Local Similarity 60.3%; Pred. No. 4.1e+02;
Matches 35; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
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QY 1 GGTATGACGCGCCGACATGCGCTCCGATACGAGCCGCGC 58
DB 105 GCTTGCGCGGTCACTTCTGCTGCTCACTCCGACAGATCAGATCCGAGC 48
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Search completed: March 27, 2006, 16:33:28
Job time : 55.5 secs

This Page Blank (uspto)

GenCore version 5.1.7
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OM nucleic - nucleic search, using SW model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136A-12

Perfect score: 1 GGTAGTACGCGCCACCGCCG.....CGGATACGAGCCGCGCT 60

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications NA Main:
1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/prodata/1/pubpna/US09_PUBCOMB.seq:*
4: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:*
5: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:*
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9: /cgn2_6/prodata/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	60	US-10-057-136-12	Sequence 12, App1
2	38.2	63.7	60	US-10-057-136-9	Sequence 9, App1
3	37.6	62.7	60	US-10-057-136-4	Sequence 4, App1
4	36.6	61.0	60	US-10-057-136-8	Sequence 8, App1
5	32.8	54.7	60	US-10-057-136-7	Sequence 7, App1
6	29	48.3	60	US-10-057-136-6	Sequence 6, App1
7	28.8	48.0	72	US-10-296-734-1165	Sequence 1165, App1
8	28.6	47.7	120	US-10-635-211-3	Sequence 3, App1
9	28.6	47.7	162	US-10-635-211-8	Sequence 8, App1
10	27.4	45.7	60	US-10-057-136-2	Sequence 2, App1
11	27	45.0	60	US-10-057-136-11	Sequence 11, App1
12	26.2	43.7	336	US-10-476-962-28	Sequence 28, App1
13	25.8	43.0	60	US-10-057-136-5	Sequence 5, App1
14	25.8	43.0	60	US-10-057-136-10	Sequence 10, App1
15	25.8	43.0	78	US-10-057-136-13	Sequence 13, App1
16	24.6	41.0	60	US-10-716-293-214	Sequence 214, App1
17	24.4	40.7	60	US-10-057-136-14	Sequence 14, App1
18	24.2	40.3	93	US-10-471-607-6	Sequence 4, App1
19	23.6	40.3	157	US-10-471-607-6	Sequence 6, App1
20	23.6	39.3	339	US-10-425-115-90663	Sequence 90663, App1
21	22.6	37.7	198	US-10-742-379-624	Sequence 624, App1
22	22.6	37.7	198	US-10-742-379-626	Sequence 626, App1
23	22.6	37.7	198	US-10-742-379-630	Sequence 630, App1

C	24	22.6	37.7	436	7	US-10-767-701-20967	Sequence 20967, A
C	25	22.6	37.7	483	7	US-10-282-122A-29364	Sequence 29364, A
C	26	22.2	37.0	164	8	US-10-425-115-116069	Sequence 116069, A
C	27	22	36.7	494	8	US-10-425-115-116656	Sequence 116656, A
C	28	21.8	36.3	93	7	US-10-471-607-3	Sequence 3, App1
C	29	21.8	36.3	156	7	US-10-471-607-5	Sequence 5, App1
C	30	21.8	36.3	157	7	US-10-471-607-9	Sequence 9, App1
C	31	21.8	36.3	275	7	US-10-437-963-87642	Sequence 87642, A
C	32	21.8	36.3	276	3	US-09-923-876-4694	Sequence 4694, App1
C	33	21.8	36.3	276	3	US-09-923-876-4694	Sequence 4694, App1
C	34	21.8	36.3	403	3	US-09-880-505-163	Sequence 163, App1
C	35	21.8	36.3	403	5	US-10-051-643-163	Sequence 163, App1
C	36	21.6	36.0	85	9	US-10-343-095A-89	Sequence 89, App1
C	37	21.6	36.0	164	3	US-09-864-864-258	Sequence 258, App1
C	38	21.6	36.0	247	8	US-10-425-115-46211	Sequence 46211, A
C	39	21.6	36.0	274	7	US-10-437-963-17682	Sequence 17682, A
C	40	21.6	36.0	316	7	US-10-437-963-10041	Sequence 10041, A
C	41	21.6	36.0	386	8	US-10-425-115-75451	Sequence 75451, A
C	42	21.6	36.0	446	8	US-10-425-115-45263	Sequence 45263, A
C	43	21.6	36.0	449	7	US-10-437-963-36585	Sequence 36585, A
C	44	21.6	36.0	471	3	US-09-373-658-59	Sequence 59, App1
C	45	21.6	36.0	471	3	US-09-989-687-59	Sequence 59, App1

ALIGNMENTS

RESULT 1
US-10-057-136-12

Sequence 12, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:

APPLICANT: SCHLON, JEFFREY

APPLICANT: KANTOR, JUDITH

APPLICANT: KUFF, DONALD

APPLICANT: PANICALI, DENNIS

APPLICANT: GRITZ, LINDA

TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1

FILE REFERENCE: 700953/47113C

CURRENT APPLICATION NUMBER: US/10/057,136

CURRENT FILING DATE: 2002-01-25

PRIOR APPLICATION NUMBER: 09/366,670

PRIOR FILING DATE: 1999-08-03

PRIOR APPLICATION NUMBER: PCT/US98/03693

PRIOR FILING DATE: 1998-02-24

PRIOR FILING DATE: 1997-02-24

NUMBER OF SEQ ID NOS: 20

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 12

LENGTH: 60

TYPE: DNA

ORGANISM: Homo sapiens

US-10-057-136-12

Query Match

Best Local Similarity 100.0%; Score 60; DB 5; Length 60;

Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db

1 GGTAGTACGCGCCACCGCCACATGCGCTCCGATACGAGACCGCGCGCT 60

1 GGTAGTACGCGCCACCGCCACATGCGCTCCGATACGAGACCGCGCGCT 60

US-10-057-136-9

Sequence 9, Application US/10057136

Publication No. US20030021770A1

GENERAL INFORMATION:

APPLICANT: SCHLON, JEFFREY

APPLICANT: KANTOR, JUDITH

APPLICANT: KUFF, DONALD

APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-9

Query Match 63.7%; Score 38.2; DB 5; Length 60;
Best Local Similarity 78.0%; Pred. No. 0.00012;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 1 GGTAAGACAGCGCCACCCGACATGGCGTACGAGCGCTCCGGATACGAGACCGGCGCC 59
Db 1 GGAAAGTACCGCTCCACCTGCACACGCGGTACAAAGCGCCACACACTCGACTCGGCC 59

RESULT 3
US-10-057-136-4
Sequence 4, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-4

Query Match 62.7%; Score 37.6; DB 5; Length 60;
Best Local Similarity 76.7%; Pred. No. 0.00021;
Matches 46; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 1 GGTAAGACAGCGCCACCCGACATGGCGTACGAGCGCTCCGGATACGAGACCGGCGCC 60
Db 1 GGCAGTACGACACCGGACATGGCGTAACTACGACCTGATACAGACCTGACCT 60

RESULT 4
US-10-057-136-8
Sequence 8, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:

APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 8
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-8

Query Match 61.0%; Score 36.6; DB 5; Length 60;
Best Local Similarity 76.3%; Pred. No. 0.00049;
Matches 45; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 1 GGTAAGACAGCGCCACCCGACATGGCGTACGAGCGCTCCGGATACGAGACCGGCGCC 59
Db 1 GGCAGACCGCACCGCCCGGACACGCGGTACAAAGCGCCACACACTCGACTCGGCC 59

RESULT 5
US-10-057-136-7
Sequence 7, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-7

Query Match 54.7%; Score 32.8; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 0.013;
Matches 43; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGTAAGACAGCGCCACCCGACATGGCGTACGAGCGCTCCGGATACGAGACCGGCGCC 60
Db 1 GGTTGACGCGCCCGCCGCTCAGCGTGAACATCGCCCGCGGATACGAGACCGGCGCC 60

RESULT 6
US-10-057-136-6

Sequence 6, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLÖM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUPPE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-6

Query Match 48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 0.36;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 7 ACAGCGCCACCGCCGATGCGTCACGAGCGCTCCGGATACGAGACCGCGCC 59
Db 7 ACAGCTCTCCCGCTCATGGGTTACTTCTGCTCCAGATCTCGCCAGCTCC 59

RESULT 7
US-10-296-734-1165
Sequence 1165, Application US/10296734
Publication No. US20040054137A1
GENERAL INFORMATION:
APPLICANT: Thompson, Scott A
APPLICANT: Ramshaw, Ian A
TITLE OF INVENTION: Synthetic molecules and uses therefor
FILE REFERENCE: Savine
CURRENT APPLICATION NUMBER: US/10/296,734
CURRENT FILING DATE: 2003-08-04
PRIOR APPLICATION NUMBER: AU P07761/00
PRIOR FILING DATE: 2000-05-26
NUMBER OF SEQ ID NOS: 1507
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1165
LENGTH: 72
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: MUC1F segment 8
NAME/KEY: CDS
LOCATION: (1)..(72)
US-10-296-734-1165

Query Match 48.0%; Score 28.8; DB 7; Length 72;
Best Local Similarity 69.6%; Pred. No. 0.43;
Matches 39; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGTAGTACAGCGCCACCGCCGATGCGTCACGAGCGCTCCGGATACGAGACCGCGC 56
Db 16 GAAAGCAACACCTCTCCGCTCAGATGTGACAAAGCCCTCCCATACAAAGCCGC 71

RESULT 8
US-10-635-211-3

Sequence 3, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
TITLE OF INVENTION: and the epitope of MUC1
FILE REFERENCE: FP030120S
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 120
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(120)
US-10-635-211-3

Query Match 47.7%; Score 28.6; DB 8; Length 120;
Best Local Similarity 67.8%; Pred. No. 0.5;
Matches 40; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy 1 GGTAGTACAGCGCCACCGCCGATGCGTCACGAGCGCTCCGGATACGAGACCGCGCC 59
Db 1 GGTCTACCGCTCCGCGGCTCAGCGTGTACTCTGCTCCGAGACACCGCTCGGCTCC 59

RESULT 9
US-10-635-211-8/c
Sequence 8, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
TITLE OF INVENTION: and the epitope of MUC1
FILE REFERENCE: FP030120S
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 162
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-635-211-8

Query Match 47.7%; Score 28.6; DB 8; Length 162;
Best Local Similarity 67.8%; Pred. No. 0.49;
Matches 40; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy 1 GGTAGTACAGCGCCACCGCCGATGCGTCACGAGCGCTCCGGATACGAGACCGCGCC 59
Db 138 GGTCTACCGCTCCGCGGCTCAGCGTGTACTCTGCTCCGAGACACCGCTCGGCTCC 80

RESULT 10
US-10-057-136-2
Sequence 2, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLÖM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUPPE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136

```

; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366, 670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038, 253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-10-057-136-2

Query Match          45.7%; Score 27.4; DB 5; Length 60;
Best Local Similarity 69.8%; Pred. No. 1.5;
Matches 37; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 7 ACAGCGCCACCCGACATGCGCTCAGAGCGCTCCGGATACGAGACCGGCGCC 59
Db 7 ACCGCCCCCGACGCGTGTCACTCGCCCGACACGAGCGCGCGCC 59

RESULT 11
US-10-057-136-11
; Sequence 11, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366, 670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038, 253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-10-057-136-11

Query Match          45.0%; Score 27; DB 5; Length 60;
Best Local Similarity 66.1%; Pred. No. 2.1;
Matches 39; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGTAATACAGCGCCACCGACATGCGCTCAGAGCGCTCCGGATACGAGACCGGCGCC 59
Db 1 GGTTCACGCGACCTTCAGACACGAGTGCCTCTGCACCGACCGCTCCAGTCTCC 59

RESULT 12
US-10-476-962-28/c
; Sequence 28, Application US/10476962
; Publication No. US20040191904A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366, 670
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; PRIOR APPLICATION NUMBER: PRIOR APPLICATION NUMBER: US/09/860,473
; PRIOR FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 28
; LENGTH: 336
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-10-476-962-28

Query Match          43.7%; Score 26.2; DB 8; Length 336;
Best Local Similarity 67.3%; Pred. No. 3.9;
Matches 37; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 1 GGTAATACAGCGCCACCGACATGCGCTCAGAGCGCTCCGGATACGAGACCGG 55
Db 107 GGACGTTCAGCGGAGCGGACGCGGACGCGGCGCTCGCGCTCCGAGTCCAGGCGCG 53

RESULT 13
US-10-057-136-5
; Sequence 5, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366, 670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038, 253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
;
US-10-057-136-5

Query Match          43.0%; Score 25.8; DB 5; Length 60;
Best Local Similarity 67.9%; Pred. No. 5.9;
Matches 36; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 7 ACAGCGCCACCGGACATGCGCTCAGAGCGCTCCGGATACGAGACCGGCGCC 59
Db 7 ACCGCGCGCTTCGCGACGAGTGCCTCGCGCGCGCGCGCGCTCC 59

RESULT 14
US-10-057-136-10
; Sequence 10, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366, 670
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; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-10

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Query Match          43.0%; Score 25.8; DB 5; Length 60;
Best Local Similarity 67.9%; Pred. No. 5.9;
Matches 36; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

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QY      7 ACAGCGCCACCCGACATGGCGTCAAGAGCGCTCCGGATACGAGACCGGCGCC 59
DB      7 ACTGCCCTCCGCGCATGGTGTGACTCTCAGCTCTGTGACACAGAGCCAGCGCCC 59

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RESULT 15

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US-10-057-136-13
; Sequence 13, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLIM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-13

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Query Match          43.0%; Score 25.8; DB 5; Length 78;
Best Local Similarity 67.9%; Pred. No. 5.8;
Matches 36; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

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QY      7 ACAGCGCCACCCGACATGGCGTCAAGAGCGCTCCGGATACGAGACCGGCGCC 59
DB      7 ACCGACCCCGACCGCATGGTGTGACTCTCAGCTCTGTGACACAGAGCCAGCGCCC 59

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Search completed: March 27, 2006, 17:07:44
Job time : 372.4 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using bw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
744.399 Million cell updates/sec

Title: US-10-057-136A-12

Perfect score: 60
Sequence: 1 GGTAATACAGCCGACCCGCGC.....CGAATACAGACCGCGCCT 60

Scoring table: IDENTITY NTC
Gapop 10.0 , Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues

Total number of hits satisfying chosen parameters: 14431810

Minimum DB seq length: 0
Maximum DB seq length: 500;

Post-processing: Maximum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Published Applications NA New:*
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13: /SIDSS/ptodata/2/pubpna/US11 NEW PUB.seq4:*
14: /SIDSS/ptodata/2/pubpna/US11 NEW PUB.seq4:*
15: /SIDSS/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	27.4	45.7	328	9	US-10-517-696-41 Sequence 41, Appl
2	26	43.3	468	8	US-10-401-386B-43 Sequence 43, Appl
3	22.6	37.7	483	8	US-10-467-657-1337 Sequence 1337, Ap
4	21.2	35.3	201	8	US-10-995-561-35312 Sequence 35312, A
5	20.6	34.3	110	11	US-11-240-195-25 Sequence 25, Appl
6	20.6	34.3	201	8	US-10-995-561-12880 Sequence 12880, A
7	20.6	34.3	201	8	US-10-995-561-13000 Sequence 13000, A
8	20.6	34.3	201	8	US-10-995-561-13026 Sequence 13026, A
9	20.6	34.3	201	8	US-10-995-561-13086 Sequence 13086, A
10	20.2	33.7	201	8	US-10-995-561-79011 Sequence 79011, A
11	20	33.3	201	8	US-10-995-561-3444 Sequence 3444, Ap
12	20	33.3	201	8	US-10-995-561-3465 Sequence 3465, Ap
13	20	33.3	201	8	US-10-995-561-24655 Sequence 24655, A
14	20	33.3	411	6	US-09-925-065A-498203 Sequence 498203, A
15	20	33.3	481	9	US-10-301-480-69025 Sequence 69025, A
16	20	33.3	481	9	US-10-301-480-682434 Sequence 682434, A
17	19.8	33.0	201	14	US-11-124-367A-19170 Sequence 19170, A
18	19.8	33.0	311	11	US-11-051-720-718 Sequence 718, App

C 19	19.8	33.0	468	6	US-09-925-065A-283267	Sequence 283267, A
C 20	19.8	33.0	475	10	US-10-301-480-360224	Sequence 360224, A
C 21	19.8	33.0	475	10	US-10-301-480-973633	Sequence 973633, A
C 22	19.8	33.0	484	9	US-10-301-480-43449	Sequence 43449, A
C 23	19.8	33.0	484	10	US-10-301-480-656858	Sequence 656858, A
C 24	19.6	32.7	63	8	US-10-310-916A-1836	Sequence 1836, Ap
C 25	19.6	32.7	201	8	US-10-995-561-3432	Sequence 3432, Ap
C 26	19.6	32.7	201	8	US-10-995-561-3453	Sequence 3453, Ap
C 27	19.6	32.7	201	8	US-10-995-561-24666	Sequence 24666, A
C 28	19.6	32.7	201	8	US-10-995-561-30595	Sequence 30595, A
C 29	19.6	32.7	201	8	US-10-995-561-83671	Sequence 83671, A
C 30	19.6	32.7	201	8	US-10-995-561-83732	Sequence 83732, A
C 31	19.6	32.7	466	9	US-10-714-887-75	Sequence 75, Appl
C 32	19.4	32.3	385	6	US-09-925-065A-242416	Sequence 242416, A
C 33	19.4	32.3	465	6	US-09-925-065A-411810	Sequence 411810, A
C 34	19.4	32.3	473	14	US-11-136-527-965	Sequence 965, App
C 35	19.4	32.3	473	14	US-11-136-527-5061	Sequence 5061, Ap
C 36	19.2	32.0	165	8	US-10-802-796-200	Sequence 200, App
C 37	19.2	32.0	283	8	US-10-802-796-284	Sequence 284, App
C 38	19.2	32.0	411	6	US-09-925-065A-478883	Sequence 478883, A
C 39	19	31.7	201	14	US-11-124-367A-19171	Sequence 19171, A
C 40	19	31.7	350	8	US-10-802-796-397	Sequence 397, App
C 41	19	31.7	371	14	US-11-091-883-134	Sequence 134, App
C 42	19	31.7	439	6	US-09-925-065A-351105	Sequence 351105, A
C 43	19	31.7	439	6	US-09-925-065A-351106	Sequence 351106, A
C 44	19	31.7	439	6	US-09-925-065A-351107	Sequence 351107, A
C 45	19	31.7	441	8	US-10-802-796-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Prc
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41
Query Match 45.7%; Score 27.4; DB 9; Length 328;
Best Local Similarity 69.8%; Pred. No. 0.88;
Matches 37; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
QY 7 AAGAGGACCGGACGATGCGGTGCGATGAGACCGGCGCC 59
DB 41 ACCGGCCCGGACCGGATGCTCGGCTCCGACCGGCGCC 93
RESULT 2
US-10-401-386B-43
; Sequence 43, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Braniigan
; APPLICANT: Theresa J Goletz

APPLICANT: David M Knight
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallion
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: for use
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43

Query Match 43.3%; Score 26; DB 8; Length 468;
Best Local Similarity 70.0%; Pred. No. 2.8;
Matches 35; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACAGCGCCACCCGACATGCGCTCAGACGCGCTCCGGAATACGAGCCGCGC 56
DB 418 ACCGCCCCCAGCCAGCCAGTGTCTCAGCTCGGCCCGGACACCGAGCCGCGC 467

RESULT 3
US-10-467-657-1337
Sequence 1337, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SPA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqMan99, version 1.04
SEQ ID NO 1337
LENGTH: 483
TYPE: DNA
ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1337

Query Match 37.7%; Score 22.6; DB 8; Length 483;
Best Local Similarity 68.9%; Pred. No. 52;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 7 ACAGCGCCACCCGACATGCGCTCAGACGCGCTCCGGAATACGAGA 51
DB 314 ACCGCGGAAACGAAACAGTGCATCAGAGCTGTGCGCATTCGCGA 358

RESULT 4
US-10-995-561-35312
Sequence 35312, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CLO01559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 35312
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-35312

Query Match 35.3%; Score 21.2; DB 8; Length 201;
Best Local Similarity 64.0%; Pred. No. 1.8e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 11 CGCCACCCGACATGCGCTCAGACGCGCTCCGGAATACGAGCCGCGCT 60
DB 87 CGCCCGCGCGCTTCTGTCCCGCGCTGCGCTCAGCTGACCGCGCGCT 136

RESULT 5
US-11-240-195-25/C
Sequence 25, Application US/11240195
Publication No. US20060057140A1
GENERAL INFORMATION:
APPLICANT: Feuerstein, Gloria Z.
TITLE OF INVENTION: ANTICOAGULANT AGENTS USEFUL IN TREATMENT
FILE REFERENCE: P50816-1
CURRENT APPLICATION NUMBER: US/11/240,195
CURRENT FILING DATE: 2005-09-30
PRIOR APPLICATION NUMBER: US/10/430,176
PRIOR FILING DATE: 2003-05-05
PRIOR APPLICATION NUMBER: 09/817,960
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: 09/359,202
PRIOR FILING DATE: 1999-07-22
PRIOR APPLICATION NUMBER: 60/095,714
PRIOR FILING DATE: 1998-08-07
PRIOR APPLICATION NUMBER: 10/051,852
PRIOR FILING DATE: 2002-01-17
PRIOR APPLICATION NUMBER: 09/344,050
PRIOR FILING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 08/783,853
PRIOR FILING DATE: 1997-01-06
PRIOR APPLICATION NUMBER: 60/010,108
PRIOR FILING DATE: 1996-01-17
PRIOR APPLICATION NUMBER: 60/029,119
PRIOR FILING DATE: 1996-10-24
NUMBER OF SEQ ID NOS: 111
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 25
LENGTH: 110
TYPE: DNA
ORGANISM: Homo sapiens
US-11-240-195-25

Query Match 34.3%; Score 20.6; DB 11; Length 110;
Best Local Similarity 59.3%; Pred. No. 3.2e+02;
Matches 35; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 1 GGTAGTACAGCGCCACCCGACATGCGCTCAGACGCGCTCCGGAATACGAGCCGCGC 59
DB 59 GATGATACAGCTCCATCCCATGCTGAGGTCTGTGTCTCAGAAATTCCATGCGCTCTCC 1

RESULT 6
US-10-995-561-12880
Sequence 12880, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:

APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12880
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12880

Query Match 34.3%; Score 20.6; DB 8; Length 201;
Best Local Similarity 59.3%; Pred. No. 3.1e+02;
Matches 35; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 2 GTAGTACAGCGCCGACCCGACATGGCGCTCAGAGCGCTCCGATACAGACCGGCGCCT 60
DB 18 GCAGGACGGCTTACAGACAGACGCGGCGCTTCTGCTGATCACTCCCCACCT 76

RESULT 7
US-10-995-561-13000
Sequence 13000, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13000
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-13000

Query Match 34.3%; Score 20.6; DB 8; Length 201;
Best Local Similarity 59.3%; Pred. No. 3.1e+02;
Matches 35; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 2 GTAGTACAGCGCCGACCCGACATGGCGCTCAGAGCGCTCCGATACAGACCGGCGCCT 60
DB 18 GCAGGACGGCTTACAGACAGACGCGGCGCTTCTGCTGATCACTCCCCACCT 76

RESULT 8
US-10-995-561-13026
Sequence 13026, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13026
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-13026

Query Match 34.3%; Score 20.6; DB 8; Length 201;
Best Local Similarity 59.3%; Pred. No. 3.1e+02;
Matches 35; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 2 GTAGTACAGCGCCGACCCGACATGGCGCTCAGAGCGCTCCGATACAGACCGGCGCCT 60
DB 18 GCAGGACGGCTTACAGACAGACGCGGCGCTTCTGCTGATCACTCCCCACCT 76

RESULT 9
US-10-995-561-13086
Sequence 13086, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13086
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-13086

Query Match 34.3%; Score 20.6; DB 8; Length 201;
Best Local Similarity 59.3%; Pred. No. 3.1e+02;
Matches 35; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 2 GTAGTACAGCGCCGACCCGACATGGCGCTCAGAGCGCTCCGATACAGACCGGCGCCT 60
DB 18 GCAGGACGGCTTACAGACAGACGCGGCGCTTCTGCTGATCACTCCCCACCT 76

RESULT 10
US-10-995-561-79011
Sequence 79011, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 79011
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-79011

Query Match 33.7%; Score 20.2; DB 8; Length 201;
Best Local Similarity 75.8%; Pred. No. 4.3e+02;
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 7 ACAGCGCCACCGGACATGGCGCTCAGAGCGCT 39
DB 155 ACAGCACCACTCCCAATGGCTCAGAGGCT 187

RESULT 11
US-10-995-561-3444/C
Sequence 3444, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.

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; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3444
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-3444

Query Match      33.3%; Score 20; DB 8; Length 201;
Best Local Similarity 61.5%; Pred. No. 5.1e+02;
Matches 32; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      6 TACAGCGCCACCGCATGCGCTCAGAGCGCTCCGATACGAGACCGCG 57
DB      159 TCCAAGGCCCCCAACACTGGAATCTCAAGCCCTCCGACTCGAGTCTCTCG 108

RESULT 12
US-10-995-561-3465/c
; Sequence 3465, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3465
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-3465

Query Match      33.3%; Score 20; DB 8; Length 201;
Best Local Similarity 61.5%; Pred. No. 5.1e+02;
Matches 32; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      6 TACAGCGCCACCGCATGCGCTCAGAGCGCTCCGATACGAGACCGCG 57
DB      159 TCCAAGGCCCCCAACACTGGAATCTCAAGCCCTCCGACTCGAGTCTCTCG 108

RESULT 13
US-10-995-561-24655/c
; Sequence 24655, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24655
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-24655

Query Match      33.3%; Score 20; DB 8; Length 201;
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Best Local Similarity 61.5%; Pred. No. 5.1e+02;
Matches 32; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      6 TACAGCGCCACCGCATGCGCTCAGAGCGCTCCGATACGAGACCGCG 57
DB      159 TCCAAGGCCCCCAACACTGGAATCTCAAGCCCTCCGACTCGAGTCTCTCG 108

RESULT 14
US-09-925-065A-498203
; Sequence 498203, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 498203
; LENGTH: 411
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-498203

Query Match      33.3%; Score 20; DB 6; Length 411;
Best Local Similarity 61.5%; Pred. No. 4.8e+02;
Matches 32; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      9 AGCGCCACCGCATGCGCTCAGAGCGCTCCGATACGAGACCGCGCT 60
DB      207 AGAGCAATCCACCTTGCGCTGTAAGATCTATTTTGAAGTAGACAGGCGCTT 258

RESULT 15
US-10-301-480-69025
; Sequence 69025, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69025
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-69025

Query Match      33.3%; Score 20; DB 9; Length 481;
Best Local Similarity 61.5%; Pred. No. 4.8e+02;
Matches 32; Conservative 0; Mismatches 20; Indels 0; Gaps 0;
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GenCore version 5.1.7
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OM nucleic - nucleic search, using SW model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
744.399 Million cell updates/sec

Title: US-10-057-136A-11

Perfect score: 60
Sequence: 1 GGTTCAACGCGACCTTCAGC.....CCGACACCGCTCAGCTCG 60

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues

Total number of hits satisfying chosen parameters: 14431810

Minimum DB seq length: 0
Maximum DB seq length: 5003

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_NA_New:*
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2: /SIDS5/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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4: /SIDS5/ptodata/2/pubpna/US09_NEW_PUB.seq:*
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10: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
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13: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq4:*
14: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq4:*
15: /SIDS5/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	34.4	57.3	328	US-10-517-696-41	Sequence 41, Appl
2	33.6	56.0	468	US-10-401-386B-43	Sequence 43, Appl
3	25	41.7	463	US-09-925-065A-521200	Sequence 521200, A
4	23.4	39.0	201	US-10-995-561-12170	Sequence 12170, A
5	23.4	39.0	201	US-10-995-561-12222	Sequence 12222, A
6	23.4	39.0	201	US-10-995-561-12275	Sequence 12275, A
7	23.4	39.0	201	US-10-995-561-12328	Sequence 12328, A
8	23.4	39.0	201	US-10-995-561-62387	Sequence 62387, A
9	23	38.3	201	US-10-995-561-12144	Sequence 12144, A
10	23	38.3	201	US-10-995-561-12180	Sequence 12180, A
11	23	38.3	201	US-10-995-561-12232	Sequence 12232, A
12	23	38.3	201	US-10-995-561-12285	Sequence 12285, A
13	23	38.3	201	US-10-995-561-12338	Sequence 12338, A
14	23	38.3	201	US-10-995-561-62404	Sequence 62404, A
15	22.2	37.0	200	US-11-098-686-1698	Sequence 1698, A
16	22.2	37.0	201	US-10-995-561-79645	Sequence 79645, A
17	21.8	36.3	201	US-11-124-367A-8478	Sequence 8478, Ap
18	21.8	36.3	201	US-11-124-367A-8479	Sequence 8479, Ap

19	21.8	36.3	400	US-09-925-065A-414926	Sequence 414926,
20	21.8	36.3	403	US-10-301-480-480657	Sequence 480657,
21	21.8	36.3	403	US-10-301-480-1094066	Sequence 1094066,
22	21.8	36.3	458	US-09-925-065A-495312	Sequence 495312,
23	21.6	36.0	434	US-11-108-172-476	Sequence 476, App
24	21.6	36.0	461	US-09-925-065A-255276	Sequence 255276,
25	21.6	36.0	464	US-10-301-480-334092	Sequence 334092,
26	21.6	36.0	464	US-10-301-480-947501	Sequence 947501,
27	21.4	35.7	468	US-09-925-065A-10005	Sequence 10005, A
28	21.4	35.7	468	US-09-925-065A-10006	Sequence 10006, A
29	21.4	35.7	468	US-09-925-065A-10007	Sequence 10007, A
30	21.4	35.7	468	US-10-301-480-111242	Sequence 111242,
31	21.4	35.7	468	US-10-301-480-111243	Sequence 111243,
32	21.4	35.7	468	US-10-301-480-111244	Sequence 111244,
33	21.4	35.7	468	US-10-301-480-124651	Sequence 124651,
34	21.4	35.7	468	US-10-301-480-124652	Sequence 124652,
35	21.4	35.7	468	US-10-301-480-124653	Sequence 124653,
36	21.2	35.3	198	US-11-172-536-8	Sequence 9, Appli
37	21	35.0	201	US-10-995-561-28883	Sequence 28883, A
38	21	35.0	201	US-10-995-561-68729	Sequence 68729, A
39	21	35.0	201	US-11-124-367A-2036	Sequence 2036, Ap
40	21	35.0	201	US-11-124-367A-2066	Sequence 2066, Ap
41	21	35.0	201	US-11-124-367A-18649	Sequence 18649, A
42	21	35.0	483	US-09-925-065A-948698	Sequence 948698,
43	21	35.0	483	US-11-092-988-49	Sequence 49, Appl
44	20.8	34.7	201	US-10-995-561-45482	Sequence 45482, A
45	20.8	34.7	414	US-10-301-480-14764	Sequence 14764, A

ALIGNMENTS

RESULT 1
US-10-517-696-41
Sequence 41, Application US/10517696
Publication No. US20060051759A1
GENERAL INFORMATION:
APPLICANT: diadexus, Inc.
APPLICANT: Salceda, Susana
APPLICANT: Macina, Roberto A.
APPLICANT: Turner, Leah R.
APPLICANT: Sun, Yongming
APPLICANT: Liu, Chenghua
TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Prc
FILE REFERENCE: DEX-0432
CURRENT APPLICATION NUMBER: US/10/517,696
CURRENT FILING DATE: 2004-12-13
PRIOR APPLICATION NUMBER: US 60/389,327
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 171
SOFTWARE: PatentIn version 3.1
SEQ ID NO 41
LENGTH: 328
TYPE: DNA
ORGANISM: Homo sapien
US-10-517-696-41
Query Match 57.3%; Score 34.4; DB 9; Length 328;
Best Local Similarity 73.3%; Pred. No. 0.034;
Matches 44; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
OY 1 GGTTCAACGCGACCTTCAGCTGACCGACACCGCTCAGCTCG 60
DB 95 GGCTCAACGCGCGCGCGACCGACCGTGTCTGCGCCCGGACACCGCGCGCG 154
RESULT 2
US-10-401-386B-43
Sequence 43, Application US/10401386B
Publication No. US20050261213A1
GENERAL INFORMATION:
APPLICANT: Patrick Braniagan
APPLICANT: Theresa J Goletz

APPLICANT: David M Knight
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallion
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: for use
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-366B-43

Query Match 56.0%; Score 33.6; DB 8; Length 468;
Best Local Similarity 75.0%; Pred. No. 0.063;
Matches 42; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 1 GGTTCAACGGACCTTCAGACACGAGTCACTGTGACACCCGACCCGTCACG 56
Db 412 GGCTCCACGGCCCCCGACGCCACGATGTCTCCTCCGCCCGACACGAGCCGAC 467

RESULT 3
US-09-925-065A-521200
Sequence 521200, Application US/09925065A
Publication No. US20040181048A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
FILE REFERENCE: 108827,135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/289,846
PRIOR FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 521200
LENGTH: 463
TYPE: DNA
ORGANISM: Homo sapiens
US-09-925-065A-521200

Query Match 41.7%; Score 25; DB 6; Length 463;
Best Local Similarity 66.7%; Pred. No. 46;
Matches 34; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

Qy 1 GGTTCAACGGACCTTCAGACACGAGTCACTGTGACACCCGACCCGTC 51
Db 38 GGATCCCTGCGCTCCACACGACGACCTCTTTCGACACCCCGACCTGT 88

RESULT 4
US-10-995-561-12170

Sequence 12170, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12170
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12170

Query Match 39.0%; Score 23.4; DB 8; Length 201;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTTCAGACACGAGTCACTGTGACACCCGACCCGTCAGTCC 59
Db 15 TTCTACCCAGCTCCACCACTGCGAGTCCCTTAAGAATCCTGCACTCCAGTCC 71

RESULT 5
US-10-995-561-12222
Sequence 12222, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12222
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12222

Query Match 39.0%; Score 23.4; DB 8; Length 201;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTTCAGACACGAGTCACTGTGACACCCGACCCGTCAGTCC 59
Db 15 TTCTACCCAGCTCCACCACTGCGAGTCCCTTAAGAATCCTGCACTCCAGTCC 71

RESULT 6
US-10-995-561-12275
Sequence 12275, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12275
LENGTH: 201
TYPE: DNA

ORGANISM: Homo sapiens
US-10-995-561-12275

Query Match 39.0%; Score 23.4; DB 8; Length 201;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTCC 59
Db 15 TTCTACCCCAAGCTCCACCACTGCTGCTTAAGAACTCCCTGACCTCCAGCTCC 71

RESULT 7

US-10-995-561-12328
Sequence 12328, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12328
LENGTH: 201

TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12328

Query Match 39.0%; Score 23.4; DB 8; Length 201;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTCC 59
Db 15 TTCTACCCCAAGCTCCACCACTGCTGCTTAAGAACTCCCTGACCTCCAGCTCC 71

RESULT 8

US-10-995-561-62387
Sequence 62387, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 62387
LENGTH: 201

TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-62387

Query Match 39.0%; Score 23.4; DB 8; Length 201;
Best Local Similarity 63.2%; Pred. No. 1.6e+02;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTCC 59
Db 15 TTCTACCCCAAGCTCCACCACTGCTGCTTAAGAACTCCCTGACCTCCAGCTCC 71

RESULT 9
US-10-995-561-12144
Sequence 12144, Application US/10995561

Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12144
LENGTH: 201

TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12144

Query Match 38.3%; Score 23; DB 8; Length 201;
Best Local Similarity 61.4%; Pred. No. 2.2e+02;
Matches 35; Conservative 1; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTCC 59
Db 89 TTCTACCCCAAGCTCCACCACTGCTGCTTAAGAACTCCCTGACCTCCAGCTCC 145

RESULT 10

US-10-995-561-12180
Sequence 12180, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12180
LENGTH: 201

TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12180

Query Match 38.3%; Score 23; DB 8; Length 201;
Best Local Similarity 61.4%; Pred. No. 2.2e+02;
Matches 35; Conservative 1; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTCC 59
Db 89 TTCTACCCCAAGCTCCACCACTGCTGCTTAAGAACTCCCTGACCTCCAGCTCC 145

RESULT 11

US-10-995-561-12232
Sequence 12232, Application US/10995561
Publication No. US20050272054A1

GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12232
LENGTH: 201

TYPE: DNA
ORGANISM: Homo sapiens

US-10-995-561-12232

Query Match 38.3%; Score 23; DB 8; Length 201;
Best Local Similarity 61.4%; Pred. No. 2.2e+02;
Matches 35; Conservative 1; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGGCACTCCAGCACAAGAGTCAGTGTGCACCCGACCCGCTCAGCTCC 59
|||:|||||
Db 89 TTCTACCCCGAGCYCCACACCTGCAGTCCCTAAAGAACTCCCTGCACCTTCAGCTCC 145

RESULT 12
US-10-995-561-12285

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Sequence 12285, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12285
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12285

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Query Match	38.3%	Score 23	DB 8	Length 201
Best Local Similarity	61.4%	Pred. No. 2.2e+02		
Matches 35, Conservative	1	Mismatches 21	Indels 0	Gaps 0

OY 3 TTCAACGGCAGCTCCAGCACACGGAATCAAGTTGCACC CGAACCCTTCAGCTCC 59
 | | | | : | | | | | | | | | | | | | | | | | | | | | |
DB 89 TTTCTACCCCGAGCYCACACCACTGCAAGTCCCTAAAGAATCCCTTGCAACTCCAGCTCC 145

RESULT 13
US-10-995-561-12338

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Sequence 12338, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILE, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12338
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-12338

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Query Match	38.3%	Score 23	DB 8	Length 201
Best Local Similarity	61.4%	Pred. No. 2.2e+02		
Matches 35; Conservative		1; Mismatches 21	Indels 0	Gaps 0

Dy 3 TTCAA CGG CACTT CAG ACAC ACG AGTC ACG TCG ACC GGA CACC CGGT CAG CTC C 59
||| : ||| | | | | | | | | | | | | | |
Db 89 TTTCA CCC CAG CYC AAC CAC CTG CAG GTCT CCTA AAG ACTT CCTT GCA CCTT CAG CTC C 145

RESULT 14
US-10-995-561-62404
; Sequence 62404, Application US/10995561
; Publication No. US20050272054A1

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: GENERAL INFORMATION:
: APPLICANT: CARGILL, Michele et al.
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
: TITLE OF INVENTION: DETECTION AND USES THEREOF
: FILE REFERENCE: CL001559
: CURRENT APPLICATION NUMBER: US/10/995,561
: CURRENT FILING DATE: 2004-11-24
: NUMBER OF SEQ. ID NOS: 85702
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 62404
: LENGTH: 201
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-10-995-561-62404

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Query Match	38.3%	Score 23;	DB 8;	Length 201;
Best Local Similarity	61.4%	Pred. No. 2.2e+02;		
Matches 35; Conservative	1;	Mismatches 21;	Indels 0;	Gaps 0;

Dy
Db

3 TTCAACGGGAGCTCCAGCACACCGAGTTCAGTCTGCACCCGACACCCGTCCAGCTCC 59
89 TTTCAACCCAGCGCYCACACCACTGCAGTCCCTAAAGAACTCCGTGCACCTTCAGCTCC 145

RESULT 15
US-11-098

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Sequence 1698, Application US/11098686
Publication No. US2006024696A1
GENERAL INFORMATION:
APPLICANT: Kapur, Vivek and Gebhart, Connie J.
TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
FILE REFERENCE: 09531-128001
CURRENT APPLICATION NUMBER: US/11/098, 686
CURRENT FILING DATE: 2005-04-04
PRIOR APPLICATION NUMBER: PCT/US03/3318
PRIOR FILING DATE: 2003-10-01
PRIOR APPLICATION NUMBER: US 60/416,395
PRIOR FILING DATE: 2002-10-04
NUMBER OF SEQ ID NOS: 11433
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1698
LENGTH: 200
TYPE: DNA
ORGANISM: Lawsonia intracellularis
US-11-098-686-1698

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Query Match	37.0%	Score 22.2;	DB 14;	Length 200;
Best Local Similarity	61.0%	Pred. No. 4e+02;		
Matches 36; Conservative	0;	Mismatches 23;	Indels 0;	Gaps 0;

Dy 1 GGTTAAACGGGCACTTCAGCACACGGAGTCAAGTCTTGACCCCGACACCCTCAGCTCC 59
| | | | | | | | | | | | | | | | | | | | | |
Db 158 GCTCCCGCTGTTCTCTTAAGACAAGCTGCTCCGGCTGCTCTGAAGCTCTCCAGCTCC 100

Search completed: March 27, 2006, 14:47:10
Job time : 322.3 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using BW model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136a-11

Perfect score: 60
Sequence: 1 GGTTCACGCGACCTCCAGC.....CCGACACCCGCTCCAGCTCCG 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_NA_Main:*
1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:*
4: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:*
5: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:*
6: /cgn2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:*
7: /cgn2_6/prodata/1/pubpna/US10E_PUBCOMB.seq:*
8: /cgn2_6/prodata/1/pubpna/US10F_PUBCOMB.seq:*
9: /cgn2_6/prodata/1/pubpna/US10G_PUBCOMB.seq:*
10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysts of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	60	US-10-057-136-11	Sequence 11, Appl
2	40.8	68.0	120	US-10-635-211-3	Sequence 3, Appl
3	40.8	68.0	162	US-10-635-211-8	Sequence 8, Appl
4	38.2	63.7	60	US-10-057-136-5	Sequence 5, Appl
5	36.6	61.0	60	US-10-057-136-6	Sequence 6, Appl
6	36	60.0	60	US-10-057-136-2	Sequence 2, Appl
7	36	60.0	78	US-10-057-136-13	Sequence 13, Appl
8	33.4	55.7	60	US-10-057-136-7	Sequence 7, Appl
9	32.2	53.7	164	US-09-864-864-258	Sequence 258, Appl
10	31.8	51.0	60	US-10-057-136-10	Sequence 10, Appl
11	30.6	53.0	60	US-10-057-136-8	Sequence 8, Appl
12	30.4	50.7	60	US-10-057-136-14	Sequence 14, Appl
13	29	48.3	60	US-10-057-136-4	Sequence 4, Appl
14	29	48.3	60	US-10-057-136-9	Sequence 9, Appl
15	28	46.7	93	US-10-471-607-4	Sequence 4, Appl
16	28	46.7	157	US-10-471-607-6	Sequence 6, Appl
17	27	45.0	60	US-10-057-136-12	Sequence 12, Appl
18	25	41.7	93	US-10-471-607-3	Sequence 3, Appl
19	25	41.7	156	US-10-471-607-5	Sequence 5, Appl
20	25	41.7	157	US-10-471-607-9	Sequence 9, Appl
21	25	41.7	463	US-09-925-065A-521200	Sequence 521200, A
22	24.4	40.7	297	US-10-437-963-50884	Sequence 50884, A
23	24	40.0	364	US-09-918-995-29996	Sequence 29996, A

24	23.8	39.7	365	7	US-10-437-963-97774	Sequence 97774, A
25	23.8	39.7	478	3	US-09-918-995-29182	Sequence 29182, A
26	23.8	39.7	491	3	US-09-918-995-35457	Sequence 35457, A
27	23.6	39.3	438	7	US-10-437-963-90573	Sequence 90573, A
28	23.4	39.0	201	8	US-10-741-600-16890	Sequence 16890, A
29	23.4	39.0	201	8	US-10-741-600-16821	Sequence 16821, A
30	23.4	39.0	201	8	US-10-741-600-16952	Sequence 16952, A
31	23.4	39.0	201	8	US-10-741-600-16983	Sequence 16983, A
32	23.4	39.0	201	8	US-10-741-600-158333	Sequence 58333, A
33	23.4	39.0	399	6	US-10-259-165-363	Sequence 363, Appl
34	23.4	39.0	399	7	US-10-260-238-4727	Sequence 4727, Appl
35	23.4	39.0	402	6	US-10-259-165-25	Sequence 25, Appl
36	23.4	39.0	402	6	US-10-259-165-257	Sequence 257, Appl
37	23.4	39.0	402	7	US-10-260-238-210	Sequence 210, Appl
38	23.2	38.7	430	8	US-10-425-115-115596	Sequence 115596, A
39	23	38.3	251	3	US-09-104-750-17	Sequence 17, Appl
40	23	38.3	416	7	US-10-424-599-136290	Sequence 136290, A
41	22.8	38.0	241	7	US-10-437-963-31862	Sequence 31862, A
42	22.8	38.0	390	7	US-10-437-963-49418	Sequence 49418, A
43	22.6	37.7	425	3	US-09-918-995-35000	Sequence 35000, A
44	22.4	37.3	300	8	US-10-425-115-176071	Sequence 176071, A
45	22.4	37.3	318	7	US-10-437-963-1355	Sequence 1355, Appl

ALIGNMENTS

```
RESULT 1
US-10-057-136-11
; Sequence 11, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOW, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KOFF, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINNA
; TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-11
;
Query Match 100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.8e-11;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GGTTCACGCGACCTCCAGCAGAGTCAGTGTGACCCGACACCCGCTCCAGCTCCG 60
Db 1 GGTTCACGCGACCTCCAGCAGAGTCAGTGTGACCCGACACCCGCTCCAGCTCCG 60

RESULT 2
US-10-635-211-3
; Sequence 3, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; TITLE OF INVENTION: and the epitope of MUC1
```

FILE REFERENCE: PP03012US
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 120
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(120)
US-10-635-211-3

Query Match
Best Local Similarity 68.0%; Score 40.8; DB 8; Length 120;
Best Local Similarity 80.0%; Pred. No. 0.0001;
Matches 48; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 GGTTCACCGGACCTTCACGACACGAGTCACTGTGACACCGGACCCGCTCCAGTCCG 60
DB 1 GGTTTACCGCTCCCGGCTCAGCGGTGTACCTGTGCTCCGACACCCGCTCCGCTCCG 60

RESULT 3
US-10-635-211-8/c
Sequence 8; Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
FILE REFERENCE: PP03012US
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 162
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-635-211-8

Query Match
Best Local Similarity 68.0%; Score 40.8; DB 8; Length 162;
Best Local Similarity 80.0%; Pred. No. 0.0001;
Matches 48; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 GGTTCACCGGACCTTCACGACACGAGTCACTGTGACACCGGACCCGCTCCAGTCCG 60
DB 138 GGTTTACCGCTCCCGGCTCAGCGGTGTACCTGTGCTCCGACACCCGCTCCGCTCCG 79

RESULT 4
US-10-057-136-5
Sequence 5; Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLON, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFEL, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253

PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-5

Query Match
Best Local Similarity 63.7%; Score 38.2; DB 5; Length 60;
Best Local Similarity 78.0%; Pred. No. 0.00085;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GGTTCACCGGACCTTCACGACACGAGTCACTGTGACACCGGACCCGCTCCAGTCC 59
DB 1 GGATCCACCGCCCGCCCTGCGCAGGAGTCACTGCGGCGCCCGGACACGCGCCGCTCC 59

RESULT 5
US-10-057-136-6
Sequence 6; Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLON, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFEL, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-6

Query Match
Best Local Similarity 61.0%; Score 36.6; DB 5; Length 60;
Best Local Similarity 76.3%; Pred. No. 0.0031;
Matches 45; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 GGTTCACCGGACCTTCACGACACGAGTCACTGTGACACCGGACCCGCTCCAGTCC 59
DB 1 GGATTCACGCTCTCCCGCTCATGGGTACTTGTGCTCCAGATCTCGCCAGCTCC 59

RESULT 6
US-10-057-136-2
Sequence 2; Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLON, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFEL, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03

;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR APPLICATION NUMBER: 60/038,253
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 2
;; LENGTH: 60
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-2

Query Match 60.0%; Score 36; DB 5; Length 60;
Best Local Similarity 75.0%; Pred. No. 0.005;
Matches 45; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGTCAAGCGACCTTCAGACACGAGTCAGTCTGCACCCGACCCGTCAGTCCG 60
Db 1 GGCTCACCGCCCCCGACCGAGTCACCTCGGCCCGACACGAGCGCGCCCG 60

RESULT 7

US-10-057-136-13
;; Sequence 13, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH
;; APPLICANT: KUFE, DONALD
;; APPLICANT: PANICALI, DENNIS
;; APPLICANT: GRITZ, LINDA
;; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
;; FILE REFERENCE: 700953/47113C
;; CURRENT APPLICATION NUMBER: US/10/057,136
;; PRIOR FILING DATE: 2002-01-25
;; PRIOR APPLICATION NUMBER: 09/366,670
;; PRIOR FILING DATE: 1999-08-03
;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR APPLICATION NUMBER: 60/038,253
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 13
;; LENGTH: 78
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 60.0%; Score 36; DB 5; Length 78;
Best Local Similarity 75.0%; Pred. No. 0.005;
Matches 45; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGTCAAGCGACCTTCAGACACGAGTCAGTCTGCACCCGACCCGTCAGTCCG 60
Db 1 GGCTCACCGCCCCCGACCGAGTCACCTCGGCCCGACACGAGCGCGCCCG 60

RESULT 8

US-10-057-136-7
;; Sequence 7, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH
;; APPLICANT: KUFE, DONALD
;; APPLICANT: PANICALI, DENNIS
;; APPLICANT: GRITZ, LINDA
;; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
;; FILE REFERENCE: 700953/47113C
;; CURRENT APPLICATION NUMBER: US/10/057,136

;; CURRENT FILING DATE: 2002-01-25
;; PRIOR APPLICATION NUMBER: 09/366,670
;; PRIOR FILING DATE: 1999-08-03
;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR APPLICATION NUMBER: 60/038,253
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 7
;; LENGTH: 60
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-7

Query Match 55.7%; Score 33.4; DB 5; Length 60;
Best Local Similarity 72.9%; Pred. No. 0.042;
Matches 43; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 GGTCAAGCGACCTTCAGACACGAGTCAGTCTGCACCCGACCCGTCAGTCCG 59
Db 1 GGTTGACGGCCCCCTGCTCAGCGTGTATACCTCGCCCGGATACGAGACCGGCC 59

RESULT 9

US-09-864-258
;; Sequence 258, Application US/09864864
;; Patent No. US20020102679A1
;; GENERAL INFORMATION:
;; APPLICANT: Xu, Jiangchun
;; APPLICANT: Mitcham, Jennifer L.
;; APPLICANT: Harlocker, Susan L.
;; APPLICANT: Dillon, David C.
;; APPLICANT: Secrist, Heather
;; APPLICANT: Lodge, Michael J.
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Pfling, Steve P.
;; APPLICANT: Mannion, Jane
;; APPLICANT: Benson, Darin R.
;; APPLICANT: Carter, Darrick
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;; FILE REFERENCE: 210121.523
;; CURRENT APPLICATION NUMBER: US/09/864,864
;; CURRENT FILING DATE: 2001-05-23
;; NUMBER OF SEQ ID NOS: 341
;; SOFTWARE: Corixa Invention Disclosure Database
;; SEQ ID NO 258
;; LENGTH: 164
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(164)
;; OTHER INFORMATION: n = A,T,C or G
US-09-864-864-258

Query Match 53.7%; Score 32.2; DB 3; Length 164;
Best Local Similarity 66.7%; Pred. No. 0.11;
Matches 40; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGTCAAGCGACCTTCAGACACGAGTCAGTCTGCACCCGACCCGTCAGTCCG 60
Db 103 GGTCANCGCCCCCGACGAGTCAGTCTGCACCCGACCCGTCAGTCCG 162

RESULT 10

US-10-057-136-10
;; Sequence 10, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH

APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-10

Query Match
Best Local Similarity 53.0%; Score 31.8; DB 5; Length 60;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGTTCAAGGACCTCCGACAGAGTCAAGTCTGACCCGACCCGTCAGCTCC 59
Db 1 GGCTGACGCTCCCTCCGCGCATGTGTGACCTGCTGACACAGGCGCCGCC 59

RESULT 11
US-10-057-136-8
Sequence 8, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:
APPLICANT: SCHLUM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 8
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-8

Query Match
Best Local Similarity 51.0%; Score 30.6; DB 5; Length 60;
Matches 39; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 7 ACGGACCTCCGACAGAGTCAAGTCTGACCCGACCCGTCAGCTCC 59
Db 7 ACCGACCGCCGACAGAGTCAAGTCTGACCCGACCCGTCAGCTCC 59

RESULT 12
US-10-057-136-14
Sequence 14, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:
APPLICANT: SCHLUM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 14
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-14

Query Match
Best Local Similarity 50.7%; Score 30.4; DB 5; Length 60;
Matches 40; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 GGTTCAAGGACCTCCGACAGAGTCAAGTCTGACCCGACCCGTCAGCTCC 56
Db 1 GGCTGACGCTCCCTCCGCGCATGTGTGACCTGCTGACACAGGCGCCGCC 56

RESULT 13
US-10-057-136-4
Sequence 4, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:
APPLICANT: SCHLUM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-4

Query Match
Best Local Similarity 48.3%; Score 29; DB 5; Length 60;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 7 ACGGACCTCCGACAGAGTCAAGTCTGACCCGACCCGTCAGCTCC 59
Db 7 ACTGACACCGGACAGAGTCAAGTCTGACCCGACCCGTCAGCTCC 59

RESULT 14

US-10-057-136-9
; Sequence 9, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOW, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-9

Query Match 48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 1.5;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACCGACCTTCACACACGAGTCAGTCTGCACCCGACCCGCTCCAGTCC 59
DB 7 ACCGCTCCACCTGCACACGCGGCTCACAGCGCCGACACACTGCAGCTGCGCC 59

RESULT 15
US-10-471-607-4/C
; Sequence 4, Application US/10471607
; Publication No. US20040115740A1
; GENERAL INFORMATION:
; APPLICANT: The Victoria University of Manchester
; APPLICANT: Benson, Roderick
; TITLE OF INVENTION: Intracellular analysis.
; FILE REFERENCE: P088857PWO
; CURRENT APPLICATION NUMBER: US/10/471,607
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: GB 0108165.2
; PRIOR FILING DATE: 3001-03-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 93
; TYPE: DNA
; ORGANISM: Artificial
; FEATURES:
; OTHER INFORMATION: Artificial epitope construct
US-10-471-607-4

Query Match 46.7%; Score 28; DB 7; Length 93;
Best Local Similarity 77.3%; Pred. No. 3.3;
Matches 34; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 GGTTCACGCGACCTCCAGCAGCAGAGTCAGTCTGCACCCGA 44
DB 57 GGCTCAACAGCCCCCAGCTCATGATGTCACTCCAGTCCGA 14

Search completed: March 27, 2006, 17:07:49
Job time : 372.4 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 seconds
(without alignments)
1921.688 Million cell updates/sec

Title: US-10-057-136A-11

Perfect score: 1 GGTTCACGCGACCTCCAGC.....CCGACACCCGCTCCAGCTCCG 60

Sequence: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodaca/1/ina/1.COMB.seq: *
2: /cgn2_6/ptodaca/1/ina/5.COMB.seq: *
3: /cgn2_6/ptodaca/1/ina/6A.COMB.seq: *
4: /cgn2_6/ptodaca/1/ina/6B.COMB.seq: *
5: /cgn2_6/ptodaca/1/ina/H.COMB.seq: *
6: /cgn2_6/ptodaca/1/ina/PCTUS.COMB.seq: *
7: /cgn2_6/ptodaca/1/ina/PP.COMB.seq: *
8: /cgn2_6/ptodaca/1/ina/RE.COMB.seq: *
9: /cgn2_6/ptodaca/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	32.2	53.7	60	3	US-09-475-947A-246
2	22.8	38.0	438	3	US-09-252-991A-6582
3	22.4	37.3	294	3	US-09-252-991A-6147
4	22.4	37.3	463	3	US-09-841-334A-7
5	22.4	37.3	463	3	US-09-837-969A-7
6	22.2	37.0	66	3	US-09-913-514-39
7	22.2	37.0	93	3	US-09-913-514-35
8	22.2	37.0	138	3	US-09-913-514-33
9	22.2	37.0	309	3	US-09-902-540-7859
10	21.8	36.3	402	3	US-09-248-796A-9061
11	21.6	36.0	227	3	US-09-016-434-229
12	21.6	36.0	456	3	US-09-902-540-3295
13	21.4	35.7	83	3	US-09-304-967-75
14	21.4	35.7	264	3	US-09-583-110-1193
15	21.4	35.7	288	3	US-09-107-433-1419
16	21.4	35.7	315	3	US-09-107-433-713
17	21.4	35.7	432	3	US-09-252-991A-1348
18	21.4	35.7	461	3	US-09-270-767-4406
19	21.4	35.7	461	3	US-09-270-767-19688
20	21.2	35.3	378	3	US-09-489-039A-1698
21	21.2	35.0	93	3	US-08-556-978B-67
22	21.2	35.0	93	3	US-08-556-978B-68
23	21.2	35.0	93	3	US-08-556-978B-69
24	21.2	35.0	93	3	US-08-556-978B-70

25	21	35.0	235	3	US-09-095-855-138	Sequence 138, App
26	21	35.0	235	3	US-09-324-542-138	Sequence 138, App
27	21	35.0	235	3	US-09-205-426-138	Sequence 138, App
28	21	35.0	303	3	US-08-556-978B-82	Sequence 82, App1
29	21	35.0	303	3	US-09-248-796A-8746	Sequence 8746, App
30	21	35.0	307	3	US-09-533-553-4320	Sequence 4320, App
31	21	35.0	313	3	US-09-902-540-9364	Sequence 9364, App
32	21	35.0	416	3	US-09-544-398B-45	Sequence 45, App1
33	21	35.0	416	3	US-09-543-771B-45	Sequence 45, App1
34	21	35.0	422	3	US-09-854-133-337	Sequence 337, App
35	20.8	34.7	189	3	US-09-489-039A-5804	Sequence 5804, App
36	20.8	34.7	206	3	US-09-513-999C-33099	Sequence 33099, App
37	20.8	34.7	425	3	US-09-621-976-17530	Sequence 17530, App
38	20.8	34.7	481	3	US-10-125-258-51	Sequence 51, App1
39	20.6	34.3	145	3	US-09-513-999C-14174	Sequence 14174, App
40	20.6	34.3	330	3	US-09-513-999C-11120	Sequence 11120, App
41	20.6	34.3	420	2	US-08-470-179-148	Sequence 148, App
42	20.6	34.3	431	3	US-09-433-241A-1	Sequence 1, App1
43	20.6	34.3	441	3	US-08-914-375C-52	Sequence 52, App1
44	20.6	34.3	449	3	US-08-688-908-3	Sequence 3, App1
45	20.6	34.3	462	3	US-09-252-991A-9457	Sequence 9457, App

ALIGNMENTS

RESULT 1
US-09-475-947A-246
Sequence 246, Application US/09475947A
Patent No. 6472154
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Wren, Jonathan D.
APPLICANT: Mima, John D.
TITLE OF INVENTION: Polymorphic Repeats in Human Genes
FILE REFERENCE: UTS0667
CURRENT APPLICATION NUMBER: US/09/475,947A
CURRENT FILING DATE: 1999-12-31
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 246
LENGTH: 60
TYPE: DNA
ORGANISM: human
US-09-475-947A-246
Query Match 53.7%; Score 32.2; DB 3; Length 60;
Best Local Similarity 75.5%; Pred. No. 0.11;
Matches 40; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
Db 7 GGTTCACGCGACCTCCAGCAGGAGTGTACCTCGGCCCCGACACCGAGCC 59
1 GGTTCACGCGACCTCCAGCAGGAGTGTACCTCGGCCCCGACACCGAGCC 53
US-09-252-991A-6582/C
Sequence 6582, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6582
LENGTH: 438

;; TYPE: DNA
;; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6582

Query Match 38.0%; Score 22.8; DB 3; Length 438;
Best Local Similarity 62.1%; Pred. No. 1.8e+02;
Matches 36; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 3 TTCAACGCACTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTCCG 60
Db 114 TCACAACGCACTCCGCGCAGCGCGCGCTGCACCCCGATTTCGAACAGCTCGG 57

RESULT 3
US-09-252-991A-6147
; Sequence 6147, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6147
; LENGTH: 294
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6147

Query Match 37.3%; Score 22.4; DB 3; Length 294;
Best Local Similarity 62.5%; Pred. No. 2.4e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 TTCAACGCACTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCTC 58
Db 46 TTCAATATCACTCGACAGTCTCGAATTATTTTTCAGGCTCGCCAAACGAGCC 101

RESULT 4
US-09-841-334A-7/c
; Sequence 7, Application US/09841334A
; Patent No. 6533819
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; APPLICANT: Parker, Timothy
; APPLICANT: Glazer, Paul
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BRL-020/050S
; CURRENT APPLICATION NUMBER: US/09/841,334A
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(463)
; OTHER INFORMATION: Synthetic
US-09-841-334A-7

Query Match 37.3%; Score 22.4; DB 3; Length 463;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 32; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 10 GCACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCT 57
Db 189 GCACGCCAACACCCGAGCTTACACCCACACCCGAGAGCCTTACACT 142

RESULT 5
US-09-837-969A-7/c
; Sequence 7, Application US/09837969A
; Patent No. 6639294
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan
; TITLE OF INVENTION: Injectable Implants For Tissue Augmentation and Restoration
; FILE REFERENCE: BRL-020/03US
; CURRENT APPLICATION NUMBER: US/09/837,969A
; PRIOR FILING DATE: 2001-06-19
; PRIOR APPLICATION NUMBER: US 09/258,723
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 60/087155
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: US 60/076297
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(463)
; OTHER INFORMATION: Synthetic
US-09-837-969A-7

Query Match 37.3%; Score 22.4; DB 3; Length 463;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 32; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 10 GCACCTCCAGACACGAGTCACTGTGACCCGACACCCGTCAGCT 57
Db 189 GCACGCCAACACCCGAGCTTACACCCACACCCGAGAGCCTTACACT 142

RESULT 6
US-09-913-514-39
; Sequence 39, Application US/09913514
; Patent No. 6653069
; GENERAL INFORMATION:
; APPLICANT: GOMI, Yasuyuki
; APPLICANT: SUNAMACHI, Hitoki
; APPLICANT: TAKAHASHI, Michiaki
; APPLICANT: YAMANISHI, Koichi
; TITLE OF INVENTION: Method for Quality Control of an Attenuated Varicella Live Vaccine
; FILE REFERENCE: 0216-0454P
; CURRENT APPLICATION NUMBER: US/09/913,514
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: PCT/JP01/00678
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: JP 2000-62734
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 66
; TYPE: DNA
; ORGANISM: Varicella virus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(66)
US-09-913-514-39

OTHER INFORMATION: Parental Oka strain
US-09-913-514-39

Query Match 37.0%; Score 22.2; DB 3; Length 66;
Best Local Similarity 64.7%; Pred. No. 2.2e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 8 CGGACCTCCAGACACGAGTCACTGTGCACCCGACCCCGTCCAGCTC 58
DB 8 CAGCCGTCACGCGCGAGCCGCTCCAGCCCGCGACCCCGTCCAGCC 58

RESULT 7
US-09-913-514-35

Sequence 35, Application US/09913514
Patent No. 6653069
GENERAL INFORMATION:
APPLICANT: GOMI, Yasuyuki
APPLICANT: SUNAMASHI, Hiroki
APPLICANT: TAKAHASHI, Michiaki
APPLICANT: YAMANISHI, Koichi
TITLE OF INVENTION: Method for Quality Control of an Attenuated Varicella Live Vaccine
FILE REFERENCE: 0216-0454P
CURRENT APPLICATION NUMBER: US/09/913,514
CURRENT FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: PCT/JP01/00678
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: JP 2000-62734
PRIOR FILING DATE: 2000-01-31
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO 35
LENGTH: 93
TYPE: DNA
ORGANISM: Varicella virus
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)..(93)
OTHER INFORMATION: Attenuated Oka strain
US-09-913-514-35

Query Match 37.0%; Score 22.2; DB 3; Length 93;
Best Local Similarity 64.7%; Pred. No. 2.3e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 8 CGGACCTCCAGACACGAGTCACTGTGCACCCGACCCCGTCCAGCTC 58
DB 8 CAGCCGTCACGCGCGAGCCGCTCCAGCCCGCGACCCCGTCCAGCC 58

RESULT 8
US-09-913-514-33

Sequence 33, Application US/09913514
Patent No. 6653069
GENERAL INFORMATION:
APPLICANT: GOMI, Yasuyuki
APPLICANT: SUNAMASHI, Hiroki
APPLICANT: TAKAHASHI, Michiaki
APPLICANT: YAMANISHI, Koichi
TITLE OF INVENTION: Method for Quality Control of an Attenuated Varicella Live Vaccine
FILE REFERENCE: 0216-0454P
CURRENT APPLICATION NUMBER: US/09/913,514
CURRENT FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: PCT/JP01/00678
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: JP 2000-62734
PRIOR FILING DATE: 2000-01-31
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Patentin version 3.1
SEQ ID NO 33
LENGTH: 138
TYPE: DNA
ORGANISM: Varicella virus

FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)..(138)
OTHER INFORMATION: Attenuated Oka strain
US-09-913-514-33

Query Match 37.0%; Score 22.2; DB 3; Length 138;
Best Local Similarity 64.7%; Pred. No. 2.5e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 8 CGGACCTCCAGACACGAGTCACTGTGCACCCGACCCCGTCCAGCTC 58
DB 62 CAGCCGTCACGCGCGAGCCGCTCCAGCCCGCGACCCCGTCCAGCC 112

RESULT 9
US-09-902-540-7859/C

Sequence 7859, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 7859
LENGTH: 309
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-7859

Query Match 37.0%; Score 22.2; DB 3; Length 309;
Best Local Similarity 64.7%; Pred. No. 2.8e+02;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 10 GCACCTCCAGACACGAGTCACTGTGCACCCGACCCCGTCCAGCTCC 60
DB 277 GCACGACGAGTCTCCGCGAGCCCGCGGCGCGAGATTCAGTCTCCG 227

RESULT 10
US-09-248-796A-9061

Sequence 9061, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 9061
LENGTH: 402
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-9061

Query Match 36.3%; Score 21.8; DB 3; Length 402;
Best Local Similarity 61.4%; Pred. No. 3.9e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 3 TTCAACGGACCTCCAGACACGAGTCACTGTGCACCCGACCCCGTCCAGCTCC 59

Db 144 TCCACCTCCACACACACACGCTCAACTCCTCATGTGTATACACCTCCAGCTCC 200

RESULT 11

US-09-016-434-229/c
Sequence 229, Application US/09016434

Patent No. 6500938

GENERAL INFORMATION:

APPLICANT: Janice Au-Young

APPLICANT: Jeffrey J. Seilhammer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
TITLE OF INVENTION: PATHWAY GENE EXPRESSION

NUMBER OF SEQUENCES: 1490

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/016,434

FILING DATE: HERewith

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071

REFERENCE/DOCKET NUMBER: PA-0002 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 229:

SEQUENCE CHARACTERISTICS:

LENGTH: 227 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: SPLNOT04

CLONE: 1559036

US-09-016-434-229

Query Match

Best Local Similarity 36.0%; Score 21.6; DB 3; Length 227;

Matches 33; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 8 CGGACCTCCACACACGAGTCACTGACCCGACACCCGCTCCAGCTCC 59

Db 111 CAGCAGCAGACACACGAGTCACTGACCCGACACCCGCTCCAGCAGACC 60

RESULT 12

US-09-902-540-3295/c
Sequence 3295, Application US/0902540

Patent No. 6833447

GENERAL INFORMATION:

APPLICANT: Goldman, Barry S.

APPLICANT: Hinkle, Gregory J.

APPLICANT: Slater, Steven C.

APPLICANT: Wiegand, Roger C.

TITLE OF INVENTION: MYXOCOCCUS XANTHUS Genome Sequences and Uses Thereof

FILE REFERENCE: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/09/902,540

CURRENT FILING DATE: 2001-07-10

PRIOR APPLICATION NUMBER: 60/217,883

PRIOR FILING DATE: 2000-07-10

NUMBER OF SEQ ID NOS: 16825

SEQ ID NO 3295

LENGTH: 456

TYPE: DNA

ORGANISM: Myxococcus xanthus

US-09-902-540-3295

Query Match

Best Local Similarity 36.0%; Score 21.6; DB 3; Length 456;

Matches 33; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 9 GGCACCTCCACACACGAGTCACTGACCCGACACCCGCTCCAGCTCCG 60

Db 158 GGCACCGCAGACCGGTCCAGGAGGCCCGACACCGCTCCGATGTCCG 107

RESULT 13

US-09-304-967-75
Sequence 75, Application US/09304967

Patent No. 6884623

GENERAL INFORMATION:

APPLICANT: Lomonosoff, George P.

APPLICANT: Johnson, John E.

APPLICANT: Bendig, Mary

APPLICANT: Jones, Tim

APPLICANT: Longstaff, Marian

TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous

FILE REFERENCE: DOW-04646

CURRENT APPLICATION NUMBER: US/09/304,967

PRIOR FILING DATE: 1999-05-05

PRIOR APPLICATION NUMBER: 08/471,048

PRIOR FILING DATE: 1995-06-06

PRIOR APPLICATION NUMBER: 08/612,858

PRIOR FILING DATE: 1996-03-12

PRIOR APPLICATION NUMBER: 08/137,032

PRIOR FILING DATE: 1993-03-18

PRIOR APPLICATION NUMBER: PCT/GB20/00589

PRIOR FILING DATE: 1992-04-02

NUMBER OF SEQ ID NOS: 123

SOFTWARE: Patent Ver. 2.0

SEQ ID NO 75

LENGTH: 83

TYPE: DNA

ORGANISM: Lucerne transient streak virus

US-09-304-967-75

Query Match

Best Local Similarity 35.7%; Score 21.4; DB 3; Length 83;

Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 21 ACACGAGTCACTGACCCGACACCCGCTCCAGCTCC 59

Db 15 AACGAGTCACTGCTCTCTGATATGACCTGCTCC 53

RESULT 14

US-09-583-110-1193/c
Sequence 1193, Application US/09583110

Patent No. 6699703

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al.

TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus

FILE REFERENCE: PATH00-07A

CURRENT APPLICATION NUMBER: US/09/583,110

CURRENT FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/107,433

PRIOR FILING DATE: 1998-06-30

PRIOR APPLICATION NUMBER: US 60/085,131

PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: US 60/051,553
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 5322
SEQ ID NO: 1193
LENGTH: 264
TYPE: DNA
ORGANISM: Streptococcus pneumoniae
US-09-583-110-1193

Query Match 35.7%; Score 21.4; DB 3; Length 264;
Best Local Similarity 71.8%; Pred. No. 5e+02;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 3 TTCAACGGACCTCCAGACAGGAGTACGCTGCACC 41
DB 210 TGCATCTGCACCTTCAGCTGAGATGATGACGACACC 172

RESULT 15

US-09-107-433-1419
Sequence 1419, Application US/09107433
Patent No. 6800744

GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
THERAPEUTICS

NUMBER OF SEQUENCES: 5206
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354

COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: <Unknown>
OPERATING SYSTEM: <Unknown>
SOFTWARE: <Unknown>

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,433
FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085131
FILING DATE: May 12, 1998

APPLICATION NUMBER: 60/051553
FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 1419:
SEQUENCE CHARACTERISTICS:
LENGTH: 288 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

MOLECULE TYPE: circular
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Streptococcus pneumoniae

FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...288
SEQUENCE DESCRIPTION: SEQ ID NO: 1419:

US-09-107-433-1419

Query Match 35.7%; Score 21.4; DB 3; Length 288;
Best Local Similarity 71.8%; Pred. No. 5e+02;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 3 TTCAACGGACCTCCAGACAGGAGTACGCTGCACC 41
DB 120 TGCATCTGCACCTTCAGCTGAGATGATGACGACACC 158

Search completed: March 27, 2006, 16:33:31
Job time : 55.5 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using bw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
744.399 Million cell updates/sec

Title: US-10-057-136A-10
Perfect score: 60
Sequence: 1 GGCTGACACTGCCCTCCGGC.....CTGACACAGGCCAGCCCA 60

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues
Total number of hits satisfying chosen parameters: 14431810

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA_New:*
1: /SID55/ptodata/2/pubpna/US08_NEW_PUB.seq:*
2: /SID55/ptodata/2/pubpna/US06_NEW_PUB.seq:*
3: /SID55/ptodata/2/pubpna/US07_NEW_PUB.seq:*
4: /SID55/ptodata/2/pubpna/PCR_NEW_PUB.seq:*
5: /SID55/ptodata/2/pubpna/US09_NEW_PUB.seq:*
6: /SID55/ptodata/2/pubpna/US10_NEW_PUB.seq1:*
7: /SID55/ptodata/2/pubpna/US10_NEW_PUB.seq2:*
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9: /SID55/ptodata/2/pubpna/US10_NEW_PUB.seq4:*
10: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq3:*
11: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq2:*
12: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq3:*
13: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq4:*
14: /SID55/ptodata/2/pubpna/US60_NEW_PUB.seq4:*
15: /SID55/ptodata/2/pubpna/US60_NEW_PUB.seq4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36.2	60.3	468	8	US-10-401-386B-43
2	35	58.3	328	9	US-10-517-696-41
3	26	43.3	343	14	US-11-128-061-2535
4	26	43.3	343	14	US-11-128-061-6177
5	26	43.3	343	14	US-11-128-049-2535
6	26	43.3	343	14	US-11-128-049-6177
7	24.2	40.3	371	6	US-09-925-065A-609835
8	24.2	40.3	371	6	US-09-925-065A-609836
9	22.4	37.3	201	14	US-11-124-367A-550
10	22.4	37.3	201	14	US-11-124-367A-571
11	22.4	37.3	201	14	US-11-124-367A-7169
12	22.4	37.3	201	14	US-11-124-367A-7170
13	22.4	36.7	387	6	US-09-925-065A-483357
14	21.8	36.3	36	8	US-10-401-386B-59
15	21.4	35.7	205	6	US-09-925-065A-536717
16	21.4	35.7	404	6	US-09-925-065A-355808
17	21.4	35.7	412	10	US-10-301-480-427290
18	21.4	35.7	412	10	US-10-301-480-1040699

19	21.4	35.7	494	6	US-09-925-065A-416281	Sequence 416281, App
20	21.2	35.3	385	10	US-10-301-480-426601	Sequence 426601, A
21	21.2	35.3	385	10	US-10-301-480-1040010	Sequence 1040010, A
22	21.2	35.3	386	6	US-09-925-065A-355075	Sequence 355075, A
23	21.2	35.3	417	6	US-09-925-065A-518387	Sequence 518387, App
24	21.2	35.3	447	8	US-10-821-234-387	Sequence 387, App
25	21	35.0	447	14	US-11-000-463-523	Sequence 523, App
26	21	35.0	483	6	US-09-925-065A-501196	Sequence 501196, App
27	21	35.0	499	14	US-11-000-463-51	Sequence 51, App1
28	20.8	34.7	152	14	US-11-124-367A-3063	Sequence 3063, App
29	20.8	34.7	173	14	US-11-124-367A-3105	Sequence 3105, App
30	20.8	34.7	173	14	US-11-124-367A-3105	Sequence 3105, App
31	20.8	34.7	201	14	US-11-124-367A-16125	Sequence 16125, A
32	20.8	34.7	201	14	US-11-124-367A-21191	Sequence 21191, A
33	20.8	34.7	201	14	US-11-124-367A-21192	Sequence 21192, A
34	20.8	34.7	335	9	US-10-837-105-31	Sequence 31, App1
35	20.8	34.7	450	6	US-09-925-065A-585431	Sequence 585431, App
36	20.8	34.7	450	6	US-09-925-065A-585432	Sequence 585432, App
37	20.8	34.7	450	6	US-09-925-065A-585433	Sequence 585433, App
38	20.8	34.7	468	6	US-09-925-065A-234454	Sequence 234454, App
39	20.8	34.7	491	10	US-10-301-480-317435	Sequence 317435, App
40	20.8	34.7	491	10	US-10-301-480-930844	Sequence 930844, App
41	20.8	34.7	494	14	US-11-128-061-2640	Sequence 2640, App
42	20.8	34.7	494	14	US-11-128-061-6282	Sequence 6282, App
43	20.8	34.7	494	14	US-11-128-049-2640	Sequence 2640, App
44	20.8	34.7	494	14	US-11-128-049-6282	Sequence 6282, App
45	20.8	34.7	499	8	US-10-521-162-33	Sequence 33, App1

ALIGNMENTS

RESULT 1
US-10-401-386B-43
Sequence 43, Application US/10401386B
GENERAL INFORMATION:
APPLICANT: Patrick Brannigan
APPLICANT: Theresa J Goletz
APPLICANT: David M Koilgt
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallion
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: for use
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43

Query Match 60.3%; Score 36.2; DB 8; Length 468;
Best Local Similarity 77.2%; Pred. No. 0.016; Indels 0; Gaps 0;
Matches 44; Conservative 0; Mismatches 13;
QY 1 GGCTGACACTGCCCTCCGGCAGTGTGACCTGACCTGACACAGGCCACC 57
DB 412 GGCTGACACTGCCCTCCGGCAGTGTGACCTGACCTGACACAGGCCACC 468
RESULT 2

US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chonghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41:
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41

Query Match 58.3%; Score 35; DB 9; Length 328;
Best Local Similarity 74.6%; Pred. No. 0.04;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGATGACATGCCCCCTCCGCGCATGTGTGACCTCAGCTCCGACACAGGCCAGCCCC 59
Db 95 GGCTCCACCGCCCGCCGCGACCCACAGGTGTCACTCCGCCCCGACACAGGCCAGCCCC 153

RESULT 3
US-11-128-061-2535/c
; Sequence 2535, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane R.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2535
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Cricetus griseus
US-11-128-061-2535

Query Match 43.3%; Score 26; DB 14; Length 343;
Best Local Similarity 65.5%; Pred. No. 35;
Matches 38; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGATGACATGCCCCCTCCGCGCATGTGTGACCTCAGCTCCGACACAGGCCAGCCCC 58
Db 281 GGGGTACCGCCCGCCCTTGTGAGTACCTCAGCTCCGCGCATGTGTCTACTC 224

RESULT 4
US-11-128-061-6177/c
; Sequence 6177, Application US/11128061

; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane R.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 6177
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Cricetus griseus
US-11-128-061-6177

Query Match 43.3%; Score 26; DB 14; Length 343;
Best Local Similarity 65.5%; Pred. No. 35;
Matches 38; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGATGACATGCCCCCTCCGCGCATGTGTGACCTCAGCTCCGACACAGGCCAGCCCC 58
Db 281 GGGGTACCGCCCGCCCTTGTGAGTACCTCAGCTCCGCGCATGTGTCTACTC 224

RESULT 5
US-11-128-049-2535/c
; Sequence 2535, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane R.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; PRIOR FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2535
; LENGTH: 343
; TYPE: DNA
; ORGANISM: Cricetus griseus
US-11-128-049-2535

Query Match 43.3%; Score 26; DB 14; Length 343;
Best Local Similarity 65.5%; Pred. No. 35;
Matches 38; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGATGACATGCCCCCTCCGCGCATGTGTGACCTCAGCTCCGACACAGGCCAGCCCC 58
Db 281 GGGGTACCGCCCGCCCTTGTGAGTACCTCAGCTCCGCGCATGTGTCTACTC 224

RESULT 6
US-11-128-049-6177/c

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/ Sequence 6177, Application US/11128049
/ Publication No. US20060010513A1
/ GENERAL INFORMATION:
/ APPLICANT: Melville, Mark W.
/ APPLICANT: Charlebois, Timothy S.
/ APPLICANT: Mounes, William M.
/ APPLICANT: Hann, Louane E.
/ APPLICANT: Sinacore, Martin S.
/ APPLICANT: Leonard, Mark W.
/ APPLICANT: Brown, Eugene L.
/ APPLICANT: Miller, Christopher P.
/ TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
/ FILE REFERENCE: 01997.027700
/ CURRENT APPLICATION NUMBER: US/11/128,049
/ PRIOR FILING DATE: 2005-05-11
/ PRIOR APPLICATION NUMBER: US 60/570,425
/ PRIOR FILING DATE: 2004-05-11
/ NUMBER OF SEQ ID NOS: 7285
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 6177
/ LENGTH: 343
/ TYPE: DNA
/ ORGANISM: Cricetus griseus
/ US-11-128-049-6177
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Query Match 43.3%; Score 26; DB 14; Length 343;
Best Local Similarity 65.5%; Pred. No. 35;
Matches 38; Conservative 0; Mismatches 20; Indels 0; Gaps 0;
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QY 1 GGGTCGACGCCCCCGGCGCATGGTGTGACCTCAGCTCTGCACACAGGCCAGCCCC 58
DB 281 GGGGTACCGGCCCTCGGCGCTTGAGATGACCTCAGCTCGGCCGCGAGGTCTACTC 224
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RESULT 7
US-09-925-065A-609835/c
/ Sequence 609835, Application US/09925065A
/ Publication No. US20040181048A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single
/ FILE REFERENCE: 108827.135
/ CURRENT APPLICATION NUMBER: US/09/925,065A
/ PRIOR FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: US 60/243,096
/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 609835
/ LENGTH: 371
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-925-065A-609835
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Query Match 40.3%; Score 24.2; DB 6; Length 371;
Best Local Similarity 66.0%; Pred. No. 1.3e+02;
Matches 35; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
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```
QY 7 ACTGCCCCCTCCGGCGCATGTGTGACCTCAGCTCTGCACACAGGCCAGCCCC 59
DB 182 ACAGCACTTCCTGGGCACTTGTGAATCAAGCTTCACACTCAGCAGGCCCC 130
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```
RESULT 8
US-09-925-065A-609836/c
/ Sequence 609836, Application US/09925065A
/ Publication No. US20040181048A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single
/ FILE REFERENCE: 108827.135
/ CURRENT APPLICATION NUMBER: US/09/925,065A
/ PRIOR FILING DATE: 2001-08-08
/ PRIOR APPLICATION NUMBER: US 60/243,096
/ PRIOR FILING DATE: 2000-10-24
/ PRIOR APPLICATION NUMBER: US 60/252,147
/ PRIOR FILING DATE: 2000-11-20
/ PRIOR APPLICATION NUMBER: US 60/250,092
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: US 60/261,766
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/289,846
/ PRIOR FILING DATE: 2001-05-09
/ NUMBER OF SEQ ID NOS: 957086
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 609836
/ LENGTH: 371
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-925-065A-609836
```

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Query Match 40.3%; Score 24.2; DB 6; Length 371;
Best Local Similarity 66.0%; Pred. No. 1.3e+02;
Matches 35; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
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```
QY 7 ACTGCCCCCTCCGGCGCATGTGTGACCTCAGCTCTGCACACAGGCCAGCCCC 59
DB 182 ACAGCACTTCCTGGGCACTTGTGAATCAAGCTTCACACTCAGCAGGCCCC 130
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```
RESULT 9
US-11-124-367A-550/c
/ Sequence 550, Application US/11124367A
/ Publication No. US20060024700A1
/ GENERAL INFORMATION:
/ APPLICANT: Michele Cargill
/ APPLICANT: Hongjin Huang
/ TITLE OF INVENTION: Genetic Polymorphisms Associated with
/ FILE REFERENCE: CL001519.ORD
/ CURRENT APPLICATION NUMBER: US/11/124,367A
/ PRIOR FILING DATE: 2005-05-09
/ PRIOR APPLICATION NUMBER: US 60/568,846
/ PRIOR FILING DATE: 2004-05-07
/ PRIOR APPLICATION NUMBER: US 60/582,609
/ PRIOR FILING DATE: 2004-06-25
/ PRIOR APPLICATION NUMBER: US 60/599,554
/ PRIOR FILING DATE: 2004-08-09
/ NUMBER OF SEQ ID NOS: 34450
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 550
/ LENGTH: 201
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-11-124-367A-550
```

```
Query Match 37.3%; Score 22.4; DB 14; Length 201;
Best Local Similarity 72.5%; Pred. No. 5.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```
QY 3 GTGACCTGGCCCTCCGGCGCATGTGTGACCTCAGCTCTGCACACAGGCCAGCTCT 42
DB 75 GCCGACTTCCCATCCAGCTCAGCTCAGCTCTCTCTTCACTCT 36
```

```
RESULT 10
US-11-124-367A-571/C
; Sequence 571, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 571
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-571

Query Match      37.3%; Score 22.4; DB 14; Length 201;
Best Local Similarity 72.5%; Pred. No. 5.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY      3 GTGACGCTGCCCCCTCGGCGCATGCTGTGACCTCACTCTCT 42
DB      97 GCCGACTTCCCATCCAGCTCAAGCTGCTCTTCAAGCTCTCT 58

RESULT 11
US-11-124-367A-7169/C
; Sequence 7169, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7169
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-7169

Query Match      37.3%; Score 22.4; DB 14; Length 201;
Best Local Similarity 72.5%; Pred. No. 5.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY      3 GTGACGCTGCCCCCTCGGCGCATGCTGTGACCTCACTCTCT 42
DB      75 GCCGACTTCCCATCCAGCTCAAGCTGCTCTTCAAGCTCTCT 36

RESULT 12
US-11-124-367A-7170/C
; Sequence 7170, Application US/11124367A
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; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7170
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-7170

Query Match      37.3%; Score 22.4; DB 14; Length 201;
Best Local Similarity 72.5%; Pred. No. 5.2e+02;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY      3 GTGACGCTGCCCCCTCGGCGCATGCTGTGACCTCACTCTCT 42
DB      97 GCCGACTTCCCATCCAGCTCAAGCTGCTCTTCAAGCTCTCT 58

RESULT 13
US-09-925-065A-483357/C
; Sequence 483357, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 483357
; LENGTH: 387
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-483357

Query Match      36.7%; Score 22; DB 6; Length 387;
Best Local Similarity 63.0%; Pred. No. 7e+02;
Matches 34; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY      6 GATGCGCCCTCGGCGCATGCTGTGACCTCACTCAACACAGGCGCC 59
DB      230 GCCCTCCGCTACGCGACTCTTCTCTCTCAAGTCTGACACTTGGGCGCC 177

RESULT 14
US-10-401-386B-59
; Sequence 59, Application US/10401386B
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Search completed: March 27, 2006, 14:47:09
Job time : 321.3 secs

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; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Golletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallion
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; PRIOR FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(36)
US-10-401-386B-59
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Query Match 36.3%; Score 21.8; DB 8; Length 36;
Best Local Similarity 78.8%; Pred. No. 8.3e+02;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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QY 1 GGGTCGACTGCCCTCCGGCGCATGGTGTGACC 33
DB 4 GGCTTCACCGCCGCCCGCCAGCCCATGTGTACCC 36
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RESULT 15
US-09-925-065A-536717/c
; Sequence 536717, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 536717
; LENGTH: 205
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-536717
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Query Match 35.7%; Score 21.4; DB 6; Length 205;
Best Local Similarity 66.0%; Pred. No. 1.1e+03;
Matches 31; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
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DB 99 CTCAGGGATATGATGCCACTCCCTCTCTTCATCAAGCCGCGCCCA 53
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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136a-10

Perfect score: 60
Sequence: 1 GGGTGCATGCCCCCTCCGGC.....CTGACACAGCCAGCCCA 60

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications NA Main:

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3: /cgn2_6/prodata/1/pubpna/US09_PUBCOMB.seq:*
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10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	60	US-10-057-136-10	Sequence 10, Appl
2	38.2	63.7	60	US-10-057-136-2	Sequence 2, Appl
3	36.2	60.3	60	US-10-057-136-14	Sequence 14, Appl
4	36	60.0	60	US-10-057-136-6	Sequence 6, Appl
5	35.4	59.0	60	US-10-057-136-4	Sequence 4, Appl
6	35	58.3	60	US-10-057-136-7	Sequence 7, Appl
7	35	58.3	78	US-10-057-136-13	Sequence 13, Appl
8	35	58.3	120	US-10-057-136-13	Sequence 13, Appl
9	35	58.3	162	US-10-057-136-13	Sequence 8, Appl
10	32.8	54.7	164	US-09-864-864-258	Sequence 258, App
11	31.8	53.0	60	US-10-057-136-5	Sequence 5, Appl
12	31.8	53.0	60	US-10-057-136-11	Sequence 11, Appl
13	31.4	52.3	93	US-10-471-607-4	Sequence 4, Appl
14	31.4	52.3	157	US-10-471-607-6	Sequence 6, Appl
15	28.2	47.0	157	US-10-471-607-9	Sequence 9, Appl
16	28.2	47.0	364	US-09-918-995-29996	Sequence 29996, A
17	26.2	43.7	156	US-10-471-607-5	Sequence 5, Appl
18	25.8	43.0	60	US-10-057-136-12	Sequence 12, Appl
19	24.8	41.3	491	US-09-818-995-14419	Sequence 14419, A
20	24.4	40.7	90	US-10-296-734-1163	Sequence 1163, Ap
21	24.4	40.7	443	US-10-084-817-1190	Sequence 1190, App
22	24.4	40.7	467	US-10-305-720-1158	Sequence 1158, Ap
23	24.2	40.3	371	US-09-925-065A-609835	Sequence 609835,

C	24	24.2	40.3	371	4	US-09-925-065A-609836	Sequence 609836,
	25	24.2	40.3	408	3	US-09-938-842A-478	Sequence 478, App
	26	24.2	40.3	408	3	US-09-938-842A-478	Sequence 478, App
	27	24	40.0	326	7	US-10-437-963-34674	Sequence 34674, A
	28	24	40.0	394	7	US-10-469-285-675	Sequence 675, App
	29	23.8	39.7	60	3	US-09-908-975-22745	Sequence 22745, A
	30	23.8	39.7	180	3	US-09-864-761-23253	Sequence 23253, A
	31	23.8	39.7	209	7	US-10-242-535A-30400	Sequence 30400, A
	32	23.8	39.7	209	7	US-10-085-783A-30400	Sequence 30400, A
	33	23.8	39.7	483	3	US-09-864-761-6541	Sequence 6541, Ap
	34	23.6	39.3	60	5	US-10-057-136-8	Sequence 8, Appl
	35	23.6	39.3	60	5	US-10-057-136-9	Sequence 9, Appl
	36	23.6	39.3	201	8	US-10-741-600-46617	Sequence 46617, A
	37	23.4	39.0	198	7	US-10-437-963-46518	Sequence 46518, A
	38	23.4	39.0	263	8	US-10-723-860-669	Sequence 669, App
	39	23.4	39.0	303	7	US-10-437-963-24592	Sequence 24592, A
	40	23.4	39.0	426	3	US-09-783-590-5389	Sequence 5389, Ap
	41	23.4	39.0	464	3	US-09-814-353-2304	Sequence 2304, Ap
	42	23.4	39.0	464	3	US-09-814-353-8841	Sequence 8841, Ap
	43	23.2	38.7	208	6	US-10-029-386-14176	Sequence 14176, A
	44	23.2	38.7	444	8	US-10-425-115-38358	Sequence 38358, A
	45	23.2	38.7	500	6	US-10-029-386-11444	Sequence 11444, A

ALIGNMENTS

RESULT 1
US-10-057-136-10
; Sequence 10, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT FILING DATE: 2002-01-25
; PRIOR FILING DATE: 1999-08-03
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-10
Query Match 100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.6e-12;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 GGGTGCATGCCCCCTCCGGCATGTGTGACCTGACACAGCCAGCCCA 60
DB 1 GGGTGCATGCCCCCTCCGGCATGTGTGACCTGACACAGCCAGCCCA 60
RESULT 2
US-10-057-136-2
; Sequence 2, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD

APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-2

Query Match 63.7%; Score 38.2; DB 5; Length 60;
Best Local Similarity 78.0%; Pred. No. 0.00021;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTGCCTCCGCGCATGTGTGACCTCAGCTCTGACACAGGCCAGCCCC 59
Db 1 GGGTCACACGCGCCCGCCAGCCGCGTGTACCTCGGCGCCGAGACAGGCCGCCCC 59

RESULT 3
US-10-057-136-14

Sequence 14, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 14
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-14

Query Match 60.3%; Score 36.2; DB 5; Length 60;
Best Local Similarity 77.2%; Pred. No. 0.0012;
Matches 44; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTGCCTCCGCGCATGTGTGACCTCAGCTCTGACACAGGCCAGCC 57
Db 1 GGGTCACACGCGCCCGCCAGCCAGTGTGTACCTCGGCGCCGAGACAGGCCGCC 57

RESULT 4

US-10-057-136-6
Sequence 6, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:

APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-6

Query Match 60.0%; Score 36; DB 5; Length 60;
Best Local Similarity 75.0%; Pred. No. 0.0014;
Matches 45; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTGCCTCCGCGCATGTGTGACCTCAGCTCTGACACAGGCCAGCCCC 60
Db 1 GGGTCACAGCTCTCCGCGCATGTGTGACCTCAGCTCTGACACAGTATCGCCAGCTCA 60

RESULT 5

US-10-057-136-4
Sequence 4, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-4

Query Match 59.0%; Score 35.4; DB 5; Length 60;
Best Local Similarity 79.2%; Pred. No. 0.0023;
Matches 42; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 7 ACTGCCCTCCGCGCATGTGTGACCTCAGCTCTGACACAGGCCAGCCCC 59
Db 7 ACTGCACACGCGCGCATGTGTGACCTCAGCTCTGATACAGACTGCAACC 59

RESULT 6

US-10-057-136-7

Sequence 7, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-7

Query Match 58.3%; Score 35; DB 5; Length 60;
Best Local Similarity 74.6%; Pred. No. 0.0033;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGGTCGACTGCCCCCTCGGGCGCATGTGTGACTGACCTCCAGACAGGCGGAGCCCC 59
Db 1 GGTTCACGCGCCCCCTCTGCTACGCTGTACATCCGCCCCGGATACAGACCGGCCCC 59

RESULT 7
US-10-057-136-13
Sequence 13, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 13
LENGTH: 78
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 58.3%; Score 35; DB 5; Length 78;
Best Local Similarity 74.6%; Pred. No. 0.0033;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGGTCGACTGCCCCCTCGGGCGCATGTGTGACTGACCTCCAGACAGGCGGAGCCCC 59
Db 1 GGTTCACGCGCCCCCGACGCCAGCGGTGTCACCTCGGCCCCGAGACAGCGGCGGCCCC 59

RESULT 8
US-10-635-211-3
Sequence 3, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDVA Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
FILE REFERENCE: FP030120S
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 120
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(120)
US-10-635-211-3

Query Match 58.3%; Score 35; DB 8; Length 120;
Best Local Similarity 74.6%; Pred. No. 0.0033;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGGTCGACTGCCCCCTCGGGCGCATGTGTGACTGACCTCCAGACAGGCGGAGCCCC 59
Db 1 GGTTCACGCGCTCCCGCGGCTCAGCGTGTACTCTGTGCTCCGAGACCCGCTCGGCTCC 59

RESULT 9
US-10-635-211-8/C
Sequence 8, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDVA Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
FILE REFERENCE: FP030120S
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 162
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-635-211-8

Query Match 58.3%; Score 35; DB 8; Length 162;
Best Local Similarity 74.6%; Pred. No. 0.0033;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 GGGTCGACTGCCCCCTCGGGCGCATGTGTGACTGACCTCCAGACAGGCGGAGCCCC 59
Db 138 GGTTCACGCGCTCCCGCGGCTCAGCGTGTACTCTGTGCTCCGAGACCCGCTCGGCTCC 80

RESULT 10
US-09-864-864-258
Sequence 258, Application US/09864864
Patent No. US20020102679A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, Davin C.
APPLICANT: Secretist, Heather
APPLICANT: Lodes, Michael J.

APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steve P.
APPLICANT: Mannion, Jane
APPLICANT: Benson, Darin R.
APPLICANT: Carter, Darick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.523
CURRENT APPLICATION NUMBER: US/09/864,864
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 341
SOFTWARE: Corixa Invention Disclosure Database
SEQ ID NO 258
LENGTH: 164
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(164)
OTHER INFORMATION: n = A,T,C or G
US-09-864-864-258

Query Match 54.7%; Score 32.8; DB 3; Length 164;
Best Local Similarity 67.8%; Pred. No. 0.022; Indels 0; Gaps 0;
Matches 40; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTCCCTCCGCGCGCATGTGTGACCTGACCTCTGACACAGGCGACCC 59
Db 103 GGTTACGACGCCCGCCAGCCAGCCAGCTGTACCTGCGGCCCGGACACCATGTGACGCC 161

RESULT 11
US-10-057-136-5
Sequence 5, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUPF, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-5

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.051;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTCCCTCCGCGCGCATGTGTGACCTGACCTCTGACACAGGCGACCC 59
Db 1 GGATCCACGCGCGCGCTGCGACGAGTGCATCGCGCCGACACGCGCCCGCTCC 59

RESULT 12
US-10-057-136-11
Sequence 11, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUPF, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-11

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.051;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTCCCTCCGCGCGCATGTGTGACCTGACCTCTGACACAGGCGACCC 59
Db 1 GGTTACGACGCCCGCCAGCCAGCCAGCTGTGACCTGCGGCCCGGACACCATGTGACGCC 59

RESULT 13
US-10-471-607-4/c
Sequence 4, Application US/10471607
Publication No. US20040115740A1
GENERAL INFORMATION:
APPLICANT: The Victoria University of Manchester
APPLICANT: Benson, Roderick
TITLE OF INVENTION: Intracellular analysis.
FILE REFERENCE: P08857PMO
CURRENT APPLICATION NUMBER: US/10/471,607
CURRENT FILING DATE: 2003-09-24
PRIOR APPLICATION NUMBER: GB 0108165.2
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 93
TYPE: DNA
ORGANISM: Artificial
OTHER INFORMATION: Artificial epitope construct
US-10-471-607-4

Query Match 52.3%; Score 31.4; DB 7; Length 93;
Best Local Similarity 77.6%; Pred. No. 0.072; Indels 0; Gaps 0;
Matches 38; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 1 GGGTGCAGTCCCTCCGCGCGCATGTGTGACCTGACCTCTGACACAA 49
Db 57 GGCTCAACAGCCCCCGCGCGCATGTGTGACCTGACCTCTGACGCTCCGAGTGA 9

RESULT 14
US-10-471-607-6
Sequence 6, Application US/10471607
Publication No. US20040115740A1
GENERAL INFORMATION:
APPLICANT: The Victoria University of Manchester
APPLICANT: Benson, Roderick

```
/ TITLE OF INVENTION: Intracellular analysis.
/ FILE REFERENCE: P088857PWO
/ CURRENT APPLICATION NUMBER: US/10/471,607
/ CURRENT FILING DATE: 2003-09-24
/ PRIOR APPLICATION NUMBER: GB 0108165.2
/ PRIOR FILING DATE: 3001-03-21
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 6
/ LENGTH: 157
/ TYPE: DNA
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: Artificial epitope construct
US-10-471-607-6

Query Match      52.3%; Score 31.4; DB 7; Length 157;
Best Local Similarity 77.6%; Pred. No. 0.073;
Matches 38; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY      1 GGGTCGACTGCCCTCCGGCGCATGGTGTGACCTCAGCTCCGACACAA 49
DB      101 GGCTCAACAGCCGCCAGCTCATGGTGTACCTCAGCTCCGAGTCGA 149

RESULT 15
US-10-471-607-9
/ Sequence 9, Application US/10471607
/ Publication No. US20040115740A1
/ GENERAL INFORMATION:
/ APPLICANT: The Victoria University of Manchester
/ APPLICANT: Benson, Roderick
/ TITLE OF INVENTION: Intracellular analysis.
/ FILE REFERENCE: P088857PWO
/ CURRENT APPLICATION NUMBER: US/10/471,607
/ CURRENT FILING DATE: 2003-09-24
/ PRIOR APPLICATION NUMBER: GB 0108165.2
/ PRIOR FILING DATE: 3001-03-21
/ NUMBER OF SEQ ID NOS: 16
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 9
/ LENGTH: 157
/ TYPE: DNA
/ ORGANISM: Artificial
/ FEATURE:
/ OTHER INFORMATION: Artificial epitope construct
US-10-471-607-9

Query Match      47.0%; Score 28.2; DB 7; Length 157;
Best Local Similarity 73.5%; Pred. No. 1.1;
Matches 36; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      1 GGGTCGACTGCCCTCCGGCGCATGGTGTGACCTCAGCTCCGACACAA 49
DB      101 GGCTCAACAGCCGCCAGCTCATGGTGTACCTCAGCTCCGAGTCGA 149

Search completed: March 27, 2006, 17:07:48
Job time : 372.4 secs
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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 Seconds
(without alignments)
1921.668 Million cell updates/sec

Title: US-10-057-136A-10

Perfect score: 60
Sequence: 1 GGGTGCAGTCCGCCCCGCGC.....CTGACACAGCCAGCCCA 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 88878028 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents NA: *
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2: /cgn2_6/prodata/1/ina/5 COMB.seq: *
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4: /cgn2_6/prodata/1/ina/8 COMB.seq: *
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6: /cgn2_6/prodata/1/ina/8 COMB.seq: *
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33.8	56.3	60	US-09-475-947A-246	Sequence 246, App
2	25	41.7	68	US-09-304-967-57	Sequence 57, App
3	24.4	40.7	467	US-09-016-434-1158	Sequence 1158, Ap
4	24.4	40.7	469	US-09-949-016-2546	Sequence 2546, Ap
5	24.4	40.7	469	US-09-949-016-2547	Sequence 2547, Ap
6	24.4	40.7	498	US-09-949-016-2548	Sequence 2548, Ap
7	24.4	40.7	498	US-09-949-016-2549	Sequence 2549, Ap
8	24.2	40.3	78	US-09-304-967-96	Sequence 96, App
9	23.4	39.0	346	US-09-513-999C-251	Sequence 251, App
10	23.4	39.0	416	US-09-513-999C-8438	Sequence 8438, Ap
11	23.2	38.7	68	US-09-304-967-55	Sequence 55, App
12	23.2	38.7	68	US-09-304-967-55	Sequence 55, App
13	23.2	38.7	78	US-09-304-967-94	Sequence 94, App
14	23.2	38.7	78	US-09-304-967-100	Sequence 100, App
15	23.2	38.7	83	US-09-304-967-79	Sequence 79, App
16	23.2	38.7	258	US-09-513-999C-9477	Sequence 9477, Ap
17	22.8	38.0	401	US-09-621-976-8387	Sequence 8387, Ap
18	22.6	37.7	68	US-09-304-967-53	Sequence 53, App
19	22.6	37.7	83	US-09-304-967-75	Sequence 75, App
20	22.4	37.3	319	US-09-132-316-10	Sequence 10, App
21	22.4	37.3	319	US-09-132-316-40	Sequence 10, App
22	22.4	37.3	319	US-10-137-316-10	Sequence 10, App
23	22.4	37.3	319	US-10-137-316-40	Sequence 40, App
24	22.2	37.0	48	US-09-304-967-47	Sequence 47, App

25	22.2	37.0	48	3	US-09-304-967-67	Sequence 67, App
26	22.2	37.0	48	3	US-09-304-967-90	Sequence 90, App
27	22.2	37.0	68	3	US-09-304-967-49	Sequence 49, App
28	22.2	37.0	78	3	US-09-304-967-92	Sequence 92, App
29	22.2	37.0	78	3	US-09-304-967-98	Sequence 98, App
30	22.2	37.0	78	3	US-09-304-967-102	Sequence 102, App
31	22.2	37.0	83	3	US-09-304-967-69	Sequence 69, App
32	22.2	37.0	83	3	US-09-304-967-71	Sequence 71, App
33	22.2	37.0	83	3	US-09-304-967-73	Sequence 73, App
34	22.2	37.0	83	3	US-09-304-967-77	Sequence 77, App
35	22	36.7	89	3	US-09-270-767-4823	Sequence 4823, Ap
36	22	36.7	89	3	US-09-270-767-20105	Sequence 20105, A
37	22	36.7	162	3	US-09-470-767-31560	Sequence 31560, A
38	21.8	36.3	434	3	US-09-470-191-65	Sequence 65, App
39	21.6	36.0	357	3	US-09-513-999C-549	Sequence 549, App
40	21.6	36.0	387	3	US-09-280-116-41	Sequence 41, App
41	21.4	35.7	297	3	US-09-614-474-9	Sequence 9, App
42	21.4	35.7	381	3	US-09-902-540-4879	Sequence 4879, Ap
43	21.4	35.7	486	3	US-09-902-540-2816	Sequence 2816, Ap
44	21.4	35.7	492	3	US-09-252-991A-4403	Sequence 4403, Ap
45	21.2	35.3	220	3	US-09-132-316-56	Sequence 56, App

ALIGNMENTS

RESULT 1
US-09-475-947A-246
; Sequence 246, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
; APPLICANT: Garner, Harold R.
; APPLICANT: Wren, Jonathan D.
; APPLICANT: Minna, John D.
; TITLE OF INVENTION: Polymorphic Repeats in Human Genes
; FILE REFERENCE: UTSD0667
; CURRENT APPLICATION NUMBER: US/09/475,947A
; CURRENT FILING DATE: 1999-12-31
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 246
; LENGTH: 60
; TYPE: DNA
; ORGANISM: human
US-09-475-947A-246

Query Match 56.3%; Score 33.8; DB 3; Length 60;
Best Local Similarity 77.4%; Pred. No. 0.063;
Matches 41; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 GGGTGCAGTCCGCCCCGCGCATGTGACCTGAGCTCCGACACAGGCC 53
DB 7 GGGTGCAGTCCGCCCCGCGCATGTGACCTGAGCTCCGACACAGGCC 59

RESULT 2
US-09-304-967-57
; Sequence 57, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858

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1 //
2 // PRIOR FILING DATE: 1996-03-12
3 // PRIOR APPLICATION NUMBER: 08/137,032
4 // PRIOR FILING DATE: 1993-03-18
5 // PRIOR APPLICATION NUMBER: PCT/GB20/00589
6 // PRIOR FILING DATE: 1992-04-02
7 // NUMBER OF SEQ ID NOS: 123
8 // SOFTWARE: Patentlin Ver. 2.0
9 // SEQ ID NO: 57
10 // LENGTH: 68
11 // TYPE: DNA
12 // ORGANISM: Artificial Sequence
13 // FEATURE:
14 // OTHER INFORMATION: Description of Artificial Sequence: Synthetic
15 //
16 // US-09-304-967-57

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Query Match	41.7%	Score 25	DB 3	Length 68
Best Local Similarity	69.4%	Pred. No. 43		
Matches 34	Conservative 0	Mismatches 15	Indels 0	Gaps 0

Dy 1.1 CCCCTCCGGCGCATGTGTTGAACCTCAGCTCTTGACACAAGGCCAGCCCC 59
Db 4 CCTTAAGACTGCTGTGTTACTTCTGCCTCTGATACCTAGAACCTGCTCC 52

RESULT 3
US-09-016-434-1158
; Sequence 1158, Application US/09016434
; Patent No. 6500938

1 APPLICANT: Janice Au-Young
2 APPLICANT: Jeffrey J. Sellmeier
3 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
4 TITLE OF INVENTION: PATHWAY GENE EXPRESSION
5 NUMBER OF SEQUENCES: 1490
6 CORRESPONDENCE ADDRESS:
7 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
8 STREET: 3174 PORTER DRIVE
9 CITY: PALO ALTO
10 STATE: CALIFORNIA
11 COUNTRY: USA

1 COMPUTER READABLE FORM:
2 MEDIUM TYPE: Floppy disk
3 COMPUTER: IBM PC compatible
4 OPERATING SYSTEM: PC-DOS/MS-DOS
5 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2.2
6 CURRENT APPLICATION DATA:
7 APPLICATION NUMBER: US/09/016,434
8 FILING DATE: HEREWITH

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1158:

```

;
; SEQUENCE CHARACTERISTICS
; LENGTH: 467 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; IMMEDIATE SOURCE:
; LIBRARY: GENBAN
; CLONE: g1575003
US-09-016-434-1158

```

Query Match 40.7%; Score 24.4; DB 3; Length 467;

Best Local Similarity 63.8%; Pred. No. 84;
Matches 37; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 GTTCGACTGCCCTCCGGGCGCATGGTGTGACCTCAGACTCTTGACACAAAGGCCAGCCCCA 60
Db 334 GTCCCCGTCATCGCCAGCGCTTGGGCTGAAGAACTCCAGACTCATATGTGACCCCCA 391

RESULT 4
US-09-949-016-2546
; Sequence 2546, Application US/09949016
; Patent No. 6812339
; CURRENT INFORMATION

```

/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2008.06.03

```

```

? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241,755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? SOFTWARE SEQ ID NOS: 207012
? SOFTWARE FASTSEQ for Windows Version 4.0.
? SEQ ID NO 2546
? LENGTH: 469
? TYPE: DNA
? ORGANISM: Human
US-09-949-016-2546

```

Query Match	40.7%	Score	24.4	DB	3	Length	469
Best Local Similarity	63.8%	Pred.	No. 85				
Matches	37	Conservative	0	Mismatches	21	Indels	0
						Gaps	0

[illegible]

RESULT 5
US-09-949-016-2547
; Sequence 2547, Application US/09949016
; Patent No. 6812339
; Inventor: [REDACTED]
; Attorney: [REDACTED]

```

1  GENERAL INFORMATION:
2  APPLICANT: VENTER, J. Craig et al.
3  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
4  TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
5  FILE REFERENCE: CL001307
6  CURRENT APPLICATION NUMBER: US/09/949,016
7  CURRENT FILING DATE: 2000-04-11

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/
/ CURRENT_FILING_DATE: 2000-04-14
/ PRIOR_APPLICATION_NUMBER: 60/241,755
/ PRIOR_FILING_DATE: 2000-10-20
/ PRIOR_APPLICATION_NUMBER: 60/237,768
/ PRIOR_FILING_DATE: 2000-10-03
/ PRIOR_APPLICATION_NUMBER: 60/231,498
/ PRIOR_FILING_DATE: 2000-09-08
/ NUMBER_OF_SEQ_ID NOS: 207012
/ SOFTWARE: FASTSEQ for Windows Version 4.0
/ SEQ ID NO 2547
/ LENGTH: 469
/ TYPE: DNA
/ ORGANISM: Human
/ US-09-949-016-2547
```

Query Match	40.7%;	Score 24.4;	DB 3;	Length 469;
Best Local Similarity	63.8%;	Pred. No. 85;		
Matches 37; Conservative	0;	Mismatches 21;	Indels 0;	Gaps 0;

3 GTGACTGCCCCCTCCGGCGCATGTGTGACTCCTAGCTTCGTACACAAAGGCCAGCCCCA 60

Db 336 GTCCCGTCACTGCAGCGCTTGAGGCTGAAGGAGCTCCAGACTCAATGTGACCCCA 393

RESULT 6

US-09-949-016-2548
; Sequence 2548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2548
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2548

Query Match 40.7%; Score 24.4; DB 3; Length 498;
Best Local Similarity 63.8%; Pred. No. 85;
Matches 37; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 GTGCACTGCCCTCCGCGGAGTGTGACCTGCTGACACAGGCGCAGCCCA 60
Db 365 GTCCCGTCACTGCAGCGCTTGAGGCTGAAGGAGCTCCAGACTCAATGTGACCCCA 422

RESULT 7

US-09-949-016-2549
; Sequence 2549, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2549
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2549

Query Match 40.7%; Score 24.4; DB 3; Length 498;
Best Local Similarity 63.8%; Pred. No. 85;
Matches 37; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 GTGCACTGCCCTCCGCGGAGTGTGACCTGCTGACACAGGCGCAGCCCA 60
Db 365 GTCCCGTCACTGCAGCGCTTGAGGCTGAAGGAGCTCCAGACTCAATGTGACCCCA 422

RESULT 8

US-09-304-967-96

; Sequence 96, Application US/09304967

; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John B.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; Proteins
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentm Ver. 2.0
; SEQ ID NO 96
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-96

Query Match 40.3%; Score 24.2; DB 3; Length 78;
Best Local Similarity 78.4%; Pred. No. 80;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 23 ATGCTGACCTCCTGACACAGGCGCAGCCCA 59
Db 15 ATGCTGACCTCCTGACACAGGCGCAGCCCA 51

RESULT 9

US-09-513-999C-251
; Sequence 251, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59, US2, REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 251
; LENGTH: 346
; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: 147..344
; FEATURE: sig_peptide
; NAME/KEY: sig_peptide
; LOCATION: 147..194
; OTHER INFORMATION: score 10.5
; OTHER INFORMATION: seq LMRVLSLLASQA/LP
; NAME/KEY: misc_feature
; LOCATION: 96
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature

LOCATION: 294
OTHER INFORMATION: n-a, g, c or t
FEATURE:
NAME/KEY: UNSURE
LOCATION: 34
OTHER INFORMATION: Xaa=Leu or Met or Val
US-09-513-999C-251

Query Match 39.0%; Score 23.4; DB 3; Length 346;
Best Local Similarity 67.3%; Pred. No. 1.7e+02;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 10 GCCCTCCGCGCGCATGTGTGACCTCAGTCTGTGACACAGGCCGCC 58
DB 152 GCCCTGTGCGCGCATGTGTCTCTGTGACCTGTGACGCGCCCTGCC 200

RESULT 10
US-09-513-999C-8438
Sequence 8438, Application US/09513999C

PATENT No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
PATENT No. 6783961
FILE REFERENCE: 59. US2. REG
CURRENT APPLICATION NUMBER: US/09/513, 999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 8438
LENGTH: 416
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 315
OTHER INFORMATION: s-g or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: 316
OTHER INFORMATION: s-g or c
US-09-513-999C-8438

Query Match 39.0%; Score 23.4; DB 3; Length 416;
Best Local Similarity 67.3%; Pred. No. 1.7e+02;
Matches 33; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 10 GCCCTCCGCGCGCATGTGTGACCTCAGTCTGTGACACAGGCCGCC 58
DB 152 GCCCTGTGCGCGCATGTGTCTCTGTGACCTGTGACGCGCCCTGCC 200

RESULT 11
US-09-304-967-51
Sequence 51, Application US/09304967

PATENT No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
APPLICANT: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304, 967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471, 048

PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 51
LENGTH: 68
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-51

Query Match 38.7%; Score 23.2; DB 3; Length 68;
Best Local Similarity 77.8%; Pred. No. 1.6e+02;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 24 TGGTGTGACCTCAGTCTGTGACACAGGCCGCCGCC 59
DB 8 TGGTGTGACCTCAGTCTGTGACACAGGCCGCCGCC 43

RESULT 12
US-09-304-967-55
Sequence 55, Application US/09304967

PATENT No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
APPLICANT: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304, 967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471, 048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 55
LENGTH: 68
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-55

Query Match 38.7%; Score 23.2; DB 3; Length 68;
Best Local Similarity 77.8%; Pred. No. 1.6e+02;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 24 TGGTGTGACCTCAGTCTGTGACACAGGCCGCCGCC 59
DB 14 TGGTGTGACCTCAGTCTGTGACACAGGCCGCCGCC 49

RESULT 13
US-09-304-967-94
Sequence 94, Application US/09304967
PATENT No. 6884623
GENERAL INFORMATION:

APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
APPLICANT: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304,967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471,048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 94
LENGTH: 78
TYPE: DNA
ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-94

Query Match 38.7%; Score 23.2; DB 3; Length 78;
Best Local Similarity 77.8%; Pred. No. 1.7e+02;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 24 TGGTGTGACCTCAGCTCTGACACAGGCCAGCCCC 59
DB 13 TGGTGTACTTCTGCTCTGATAGTACTGACTGCTCC 48

RESULT 14
US-09-304-967-100
Sequence 100, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
APPLICANT: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304,967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471,048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 100
LENGTH: 78
TYPE: DNA
ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-100

Query Match 38.7%; Score 23.2; DB 3; Length 78;
Best Local Similarity 77.8%; Pred. No. 1.7e+02;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 24 TGGTGTGACCTCAGCTCTGACACAGGCCAGCCCC 59
DB 22 TGGTGTACTTCTGCTCTGATAGTACTGACTGCTCC 57

RESULT 15
US-09-304-967-79
Sequence 79, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
APPLICANT: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304,967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471,048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 79
LENGTH: 83
TYPE: DNA
ORGANISM: Lucerne transient streak virus
US-09-304-967-79

Query Match 38.7%; Score 23.2; DB 3; Length 83;
Best Local Similarity 77.8%; Pred. No. 1.7e+02;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 24 TGGTGTGACCTCAGCTCTGACACAGGCCAGCCCC 59
DB 24 TGGTGTACTTCTGCTCTGATAGTACTGACTGCTCC 59

Search completed: March 27, 2006, 16:33:31
Job time : 55.5 secs

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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
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Title: US-10-057-136a-9

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Searched: 9258654 seqs, 1993127192 residues

Total number of hits satisfying chosen parameters: 14431810

Minimum DB seq length: 0

*Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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15: /SIDS5/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	ID	Description
1	26	43.3	468	US-10-401-386B-43	Sequence 43, Appl
2	25.8	43.0	328	US-10-517-696-41	Sequence 41, Appl
3	24.2	40.3	447	US-10-821-234-481	Sequence 461, Appl
4	23.4	39.0	427	US-10-301-480-21313	Sequence 21313, A
5	23.4	39.0	427	US-10-301-480-634722	Sequence 634722, A
6	23.4	39.0	450	US-09-925-065A-590425	Sequence 590425, A
7	23.4	39.0	464	US-10-301-480-21312	Sequence 21312, A
8	23.4	39.0	464	US-10-301-480-634721	Sequence 634721, A
9	23.2	38.7	201	US-10-995-561-69317	Sequence 69317, A
10	23.2	38.7	201	US-10-995-561-69501	Sequence 69501, A
11	23	38.3	427	US-10-301-480-21311	Sequence 21311, A
12	23	38.3	427	US-10-301-480-634720	Sequence 634720, A
13	22.8	38.0	201	US-10-995-561-69502	Sequence 69502, A
14	22	36.7	326	US-10-301-480-849288	Sequence 849288, A
15	22	36.7	326	US-10-301-480-849287	Sequence 849287, A
16	22	36.7	327	US-09-925-065A-140920	Sequence 140920, A
17	21.2	35.3	201	US-10-995-561-5213	Sequence 5213, Appl
18	21.2	35.3	201	US-10-995-561-5296	Sequence 5296, Appl

19	21.2	35.3	201	US-10-995-561-5375	Sequence 5375, Appl
20	21.2	35.3	496	US-11-096-622-18	Sequence 18, Appl
21	20.8	34.7	159	US-09-925-065A-507267	Sequence 507267, A
22	20.8	34.7	201	US-10-995-561-28960	Sequence 28960, A
23	20.6	34.3	366	US-11-116-881A-1890	Sequence 1890, Appl
24	20.6	34.3	424	US-09-925-065A-474690	Sequence 474690, A
25	20.6	34.3	424	US-09-925-065A-474691	Sequence 474691, A
26	20.6	34.3	428	US-10-301-480-312359	Sequence 312359, A
27	20.6	34.3	431	US-10-301-480-925768	Sequence 925768, A
28	20.6	34.3	437	US-09-925-065A-228344	Sequence 228344, A
29	20.6	34.3	494	US-09-925-065A-783256	Sequence 783256, A
30	20.6	34.3	494	US-09-925-065A-783257	Sequence 783257, A
31	20.6	34.3	494	US-09-925-065A-843676	Sequence 843676, A
32	20.4	34.0	201	US-11-124-367A-4042	Sequence 4042, Appl
33	20.4	34.0	201	US-11-124-367A-4691	Sequence 4691, Appl
34	20.4	34.0	201	US-11-124-367A-4701	Sequence 4701, Appl
35	20.4	34.0	201	US-11-124-367A-26298	Sequence 26298, Appl
36	20.4	34.0	462	US-11-150-533-18	Sequence 19, Appl
37	20.2	33.7	201	US-10-995-561-31901	Sequence 31901, A
38	20.2	33.7	201	US-10-995-561-31925	Sequence 31925, A
39	20.2	33.7	201	US-10-995-561-78501	Sequence 78501, A
40	20.2	33.7	201	US-10-995-561-78530	Sequence 78530, A
41	20.2	33.7	456	US-10-932-182A-5324	Sequence 5324, Appl
42	20.2	33.7	456	US-10-932-182A-5324	Sequence 5324, Appl
43	20.2	33.7	500	US-09-925-065A-773679	Sequence 773679, A
44	20	33.3	64	US-10-939-294A-4241	Sequence 4241, Appl
45	20	33.3	201	US-11-124-367A-4690	Sequence 4690, Appl

ALIGNMENTS

RESULT 1
US-10-401-386B-43
Sequence 43, Application US/10401386B
Publication No. US20050261213A1
GENERAL INFORMATION:
APPLICANT: Patrick Branigan
APPLICANT: Theresa J Goletz
APPLICANT: David M Knight
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallan
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: for Use
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43
Query Match 43.3%; Score 26; DB 8; Length 468;
Best Local Similarity 70.0%; Pred. No. 8.4;
Matches 35; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
Oy 7 ACCGCTCACCTGCACAGGGGTCACAGCGCCGACGACTGACCTGC 56
Db 418 ACCGCTCACCTGCACAGGGGTCACAGCGCCGACGACTGACCTGC 467
RESULT 2

US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
; FILE REFERENCE: DBX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41

Query Match 43.0%; Score 25.8; DB 9; Length 328;
Best Local Similarity 67.9%; Pred. No. 9.9;
Matches 36; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 7 ACCGCTCCACCTGCACACGGGGTCAACAAGCGCGCCAGACACTGCAGCTGGCC 59
Db 41 ACCGCGCCGACACCCACGAGTGTCACTCGGCCCGGACACACGCGCGGCC 93

RESULT 3
US-10-821-234-481/C
; Sequence 481, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Steache-Crain, Birgit
; APPLICANT: Andarmant, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 481
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-821-234-481

Query Match 40.3%; Score 24.2; DB 8; Length 447;
Best Local Similarity 66.0%; Pred. No. 36;
Matches 35; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGAAGTACCGCTCCACCTGCACACGGGGTCAACAAGCGCGCCAGACACTGCACC 53
Db 280 GGAAGAACTGTCCACCTGTGCATTGGGCGCAGAAAGCCAGACTTCTCCGCC 228

RESULT 4
US-10-301-480-21313
; Sequence 21313, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; TITLE OF INVENTION: In the Human Genome

; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21313
; LENGTH: 427
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-21313

Query Match 39.0%; Score 23.4; DB 9; Length 427;
Best Local Similarity 63.2%; Pred. No. 70;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 2 GAAGTACCGCTCCACCTGCACACGGGGTCAACAAGCGCGCCAGACACTGCAGCTGGCC 58
Db 97 GAGTACCGCACACCACTGCTGCTGTGTCAGACGGGAGCAGAACGATCTCCGTGTGC 153

RESULT 5
US-10-301-480-634722
; Sequence 634722, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 634722
; LENGTH: 427
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-634722

Query Match 39.0%; Score 23.4; DB 10; Length 427;
Best Local Similarity 63.2%; Pred. No. 70;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 2 GAAGTACCGCTCCACCTGCACACGGGGTCAACAAGCGCGCCAGACACTGCAGCTGGCC 58
Db 97 GAGTACCGCACACCACTGCTGCTGTGTCAGACGGGAGCAGAACGATCTCCGTGTGC 153

RESULT 6
US-09-925-065A-590425
; Sequence 590425, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30

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; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 590425
; LENGTH: 450
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-590425

Query Match      39.0%; Score 23.4; DB 6; Length 450;
Best Local Similarity 63.2%; Pred. No. 70;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      2 GAAGTACCGCTCCACCTGACACGCGGCTCACAAGCGGCCGACACTGACCTGCGC 58
Db      107 GAGGTACCGCACCACTGCTGCTGTGTGACAGCGGAGGAAAGGTCTCGTGTGC 163

RESULT 7
US-10-301-480-21312
; Sequence 21312, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 21312
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-21312

Query Match      39.0%; Score 23.4; DB 9; Length 464;
Best Local Similarity 63.2%; Pred. No. 69;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      2 GAAGTACCGCTCCACCTGACACGCGGCTCACAAGCGGCCGACACTGACCTGCGC 58
Db      116 GAGGTACCGCACCACTGCTGCTGTGTGACAGCGGAGGAAAGGTCTCGTGTGC 172

RESULT 8
US-10-301-480-634721
; Sequence 634721, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 634721
; LENGTH: 464
; TYPE: DNA
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; ORGANISM: Homo sapien
US-10-301-480-634721

Query Match      39.0%; Score 23.4; DB 10; Length 464;
Best Local Similarity 63.2%; Pred. No. 69;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      2 GAAGTACCGCTCCACCTGACACGCGGCTCACAAGCGGCCGACACTGACCTGCGC 58
Db      116 GAGGTACCGCACCACTGCTGCTGTGTGACAGCGGAGGAAAGGTCTCGTGTGC 172

RESULT 9
US-10-995-561-69317/c
; Sequence 69317, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 69317
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-69317

Query Match      38.7%; Score 23.2; DB 8; Length 201;
Best Local Similarity 70.5%; Pred. No. 82;
Matches 31; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy      6 TACCGCTCCACCTGACACGCGGCTCACAAGCGGCCGACACTG 49
Db      194 TCCCGCTTCAGCTGCGCCATGAGGCGACAGGTGGGCCCACTC 151

RESULT 10
US-10-995-561-69501/c
; Sequence 69501, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 69501
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-69501

Query Match      38.7%; Score 23.2; DB 8; Length 201;
Best Local Similarity 70.5%; Pred. No. 82;
Matches 31; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy      6 TACCGCTCCACCTGACACGCGGCTCACAAGCGGCCGACACTG 49
Db      167 TCCCGCTTCAGCTGCGCCATGAGGCGACAGGTGGGCCCACTC 124

RESULT 11
US-10-301-480-21311
; Sequence 21311, Application US/10301480
```

```
Publication No. US20060057564A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/311,695
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 21311
LENGTH: 427
TYPE: DNA
ORGANISM: Homo sapien
US-10-301-480-21311

Query Match
Best Local Similarity 38.3%; Score 23; DB 9; Length 427;
Pred. No. 96;
Matches 35; Conservative 1; Mismatches 21; Indels 0; Gaps 0;

Qy 2 GAAGTACCGCTCCACTGCACACGGGGTCAACAAGCGCCGACACACTGCAGCTGGCC 58
DB 97 GAGGTACCGCACACCACTGCTGTGTGACAGCGGAGGAGAAACGGTCTCCGTGTGC 153

RESULT 12
US-10-301-480-634720
Sequence 634720, Application US/10301480
Publication No. US20060057564A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/311,695
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 634720
LENGTH: 427
TYPE: DNA
ORGANISM: Homo sapien
US-10-301-480-634720

Query Match
Best Local Similarity 38.3%; Score 23; DB 10; Length 427;
Pred. No. 96;
Matches 35; Conservative 1; Mismatches 21; Indels 0; Gaps 0;

Qy 2 GAAGTACCGCTCCACTGCACACGGGGTCAACAAGCGCCGACACACTGCAGCTGGCC 58
DB 97 GAGGTACCGCACACCACTGCTGTGTGACAGCGGAGGAGAAACGGTCTCCGTGTGC 153

RESULT 13
US-10-995-561-69502/c
Sequence 69502, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
```

```
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 69502
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-69502

Query Match
Best Local Similarity 38.0%; Score 22.8; DB 8; Length 201;
Pred. No. 11e+02;
Matches 30; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 8 CCGTCCACCTGCACACGGGGTCAACAAGCGCCGACACACTC 49
DB 201 CCCCTCAGCTGCCATGAGGACAGGTGGGCCCCACACTC 160

RESULT 14
US-10-301-480-235879
Sequence 235879, Application US/10301480
Publication No. US20060057564A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/311,695
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 235879
LENGTH: 326
TYPE: DNA
ORGANISM: Homo sapien
US-10-301-480-235879

Query Match
Best Local Similarity 36.7%; Score 22; DB 10; Length 326;
Pred. No. 2.2e+02;
Matches 31; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 4 AGTACCGCTCCACTGCACACGGGGTCAACAAGCGCCGACACTC 49
DB 223 AGCACACCTTCAGCTCCACTCAAGGCGCAGACTGAGACAGACACTC 268

RESULT 15
US-10-301-480-849288
Sequence 849288, Application US/10301480
Publication No. US20060057564A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/311,695
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 849288
LENGTH: 326
TYPE: DNA
ORGANISM: Homo sapien
US-10-301-480-849288

Query Match
Best Local Similarity 36.7%; Score 22; DB 10; Length 326;
```


Best Local Similarity 67.4%; Pred. No. 2.2e+02;
Matches 31; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy	4	AGTACCGCTCGACAGGAGGTCACAAGCGCCAGCACTC	49
Db	223	AGCACCACTTCAGCTCAGCTCAAGGCGAGACTGAGACAGCACTC	268

Search completed: March 27, 2006, 14:47:09
Job time : 322.3 secs

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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136A-9

Perfect score: 1 GGAAGTACCGCTCCACCTGC.....CAGACACTGACCTGCGCCA 60

Sequence: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Scoring table: 9793542 seqs, 4134689005 residues

Searched: Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0

Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_NA_Main:*
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2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	60	100.0	60	5	US-10-057-136-9
2	52	86.7	60	5	US-10-057-136-8
3	38.2	63.7	60	5	US-10-057-136-12
4	33.4	55.7	60	5	US-10-057-136-4
5	31.8	53.0	60	5	US-10-057-136-5
6	31.4	52.3	93	7	US-10-471-607-3
7	31.4	52.3	156	7	US-10-471-607-5
8	31.4	52.3	157	7	US-10-471-607-6
9	31.4	52.3	157	7	US-10-471-607-9
10	30.2	50.3	120	8	US-10-635-211-3
11	30.2	50.3	162	8	US-10-635-211-8
12	30	50.0	60	5	US-10-057-136-7
13	29	48.3	60	5	US-10-057-136-6
14	29	48.3	60	5	US-10-057-136-11
15	27.4	45.7	60	5	US-10-057-136-2
16	25.8	43.0	78	5	US-10-057-136-13
17	25.6	42.7	72	7	US-10-296-734-1165
18	24.2	40.3	318	6	US-10-101-510-40
19	24.2	40.3	423	9	US-10-450-763-27719
20	24.2	40.3	447	8	US-10-480-594-15
21	23.6	39.3	60	5	US-10-057-136-10
22	23.6	39.3	60	7	US-10-716-293-214
23	23.4	39.0	333	7	US-10-437-963-17981

24	23.4	39.0	450	4	US-09-925-065A-590425	Sequence 590425,
25	23.2	38.7	454	5	US-10-106-698-836	Sequence 836, App
26	23	38.3	461	5	US-10-027-632-93715	Sequence 93715, A
27	23	38.3	461	5	US-10-027-632-93716	Sequence 93716, A
28	23	38.3	461	5	US-10-027-632-93717	Sequence 93717, A
29	23	38.3	461	5	US-10-027-632-318277	Sequence 318277, A
30	23	38.3	461	5	US-10-027-632-318278	Sequence 318278, A
31	23	38.3	461	5	US-10-027-632-318279	Sequence 318279, A
32	23	38.3	461	6	US-10-027-632-93715	Sequence 93715, A
33	23	38.3	461	6	US-10-027-632-93716	Sequence 93716, A
34	23	38.3	461	6	US-10-027-632-93717	Sequence 93717, A
35	23	38.3	461	6	US-10-027-632-318277	Sequence 318277, A
36	23	38.3	461	6	US-10-027-632-318278	Sequence 318278, A
37	23	38.3	461	6	US-10-027-632-318279	Sequence 318279, A
38	22.8	38.0	60	5	US-10-057-136-14	Sequence 14, App1
39	22.8	38.0	283	7	US-10-029-386-21985	Sequence 21985, A
40	22.8	38.0	303	7	US-10-437-963-38533	Sequence 38533, A
41	22.8	38.0	362	8	US-10-425-115-18356	Sequence 18356, A
42	22.8	38.0	401	6	US-10-074-566-131	Sequence 131, App
43	22.8	38.0	413	6	US-10-074-566-130	Sequence 130, App
44	22.8	38.0	416	3	US-09-983-965-4498	Sequence 4498, App
45	22.8	38.0	425	2	US-08-781-986A-3693	Sequence 3693, App

ALIGNMENTS

RESULT 1
US-10-057-136-9
Sequence 9, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOW, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366, 670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038, 253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-9
Query Match 100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred No. 2.8e-12;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1 GGAAGTACCGCTCCACCTGCACACGAGGCTCACAGGCGCCAGACACTGACCTGCGCCA 60
1 GGAAGTACCGCTCCACCTGCACACGAGGCTCACAGGCGCCAGACACTGACCTGCGCCA 60
RESULT 2
US-10-057-136-8
Sequence 8, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOW, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD

APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 8
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-8

Query Match 86.7%; Score 52; DB 5; Length 60;
Best Local Similarity 91.7%; Pred. No. 2,4e-09;
Matches 55; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 GGAAGTACCGCTCCACCTGACACGCGGGTCAACAAGCGCGCCAGACACTGACCTGCGCC 60
Db 1 GGCAAGACCGCACCGCCCGCACACGCGGGTCAACAAGCGCGCCAGACACTGACCTGCGCCA 60

RESULT 3
US-10-057-136-12
Sequence 12, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:

APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFER, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 12
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-12

Query Match 63.7%; Score 38.2; DB 5; Length 60;
Best Local Similarity 78.0%; Pred. No. 0.00027;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 1 GGAAGTACCGCTCCACCTGACACGCGGGTCAACAAGCGCGCCAGACACTGACCTGCGCC 59
Db 1 GGATGATACCGCGCACCGCCCGCACATGGCGTCAACAAGCGCTCCGATACGAGACCGCGGCC 59

RESULT 4
US-10-057-136-4
Sequence 4, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:

APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFER, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-4

Query Match 55.7%; Score 33.4; DB 5; Length 60;
Best Local Similarity 72.9%; Pred. No. 0.016;
Matches 43; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 GGAAGTACCGCTCCACCTGACACGCGGGTCAACAAGCGCGCCAGACACTGACCTGCGCC 59
Db 1 GGCAATCTGACACCGCCCGCACATGGCGTCAACAAGCACTGATACAGAACTGCTCACC 59

RESULT 5
US-10-057-136-5
Sequence 5, Application US/10057136
Publication No. US20030021770A1

GENERAL INFORMATION:

APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFER, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-5

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.061;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGAAGTACCGCTCCACCTGACACGCGGGTCAACAAGCGCGCCAGACACTGACCTGCGCC 59
Db 1 GGATCACCGCGCCCGCTGCGCACGAGTGAAGTGTGCGCCCGCGACACGCGCCCGCTCC 59

RESULT 6
US-10-471-607-3

US-10-635-211-3

Query Match 50.3%; Score 30.2; DB 8; Length 120;
Best Local Similarity 69.5%; Pred. No. 0.23;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGAAAGTACCGCTCCAGCTGACACGGGGTTCACAGAGCCGACACTGAGCTGGGCC 59
DB 1 GGTTCACCGCTCCGCGGCTCACGGGTGTACTCTGCTCCGACACCCGCTCCGCTCC 59

RESULT 11

US-10-635-211-8/C

/ Sequence 8, Application US/10635211
/ Publication No. US20050031649A1
/ GENERAL INFORMATION:
/ APPLICANT: Beijing HDVAX Biotechnology Co. Ltd
/ TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
/ TITLE OF INVENTION: and the epitope of MUC1
/ FILE REFERENCE: FP0301205
/ CURRENT APPLICATION NUMBER: US/10/635,211
/ CURRENT FILING DATE: 2003-08-06
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 8
/ LENGTH: 162
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Primer
US-10-635-211-8

Query Match 50.3%; Score 30.2; DB 8; Length 162;
Best Local Similarity 69.5%; Pred. No. 0.23;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGAAAGTACCGCTCCAGCTGACACGGGGTTCACAGAGCCGACACTGAGCTGGGCC 59
DB 138 GGTTTACCGCTCCGCGGCTCACGGGTGTACTCTGCTCCGACACCCGCTCCGCTCC 80

RESULT 12

US-10-057-136-6

/ Sequence 6, Application US/10057136
/ Publication No. US20030021770A1
/ GENERAL INFORMATION:
/ APPLICANT: SCHLOM, JEFFREY
/ APPLICANT: KANTOR, JUDITH
/ APPLICANT: KUFER, DONALD
/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: PCT/US98/03693
/ PRIOR FILING DATE: 1998-02-24
/ PRIOR APPLICATION NUMBER: 60/038,253
/ PRIOR FILING DATE: 1997-02-24
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 60
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-057-136-6

Query Match 50.0%; Score 30; DB 5; Length 60;
Best Local Similarity 72.2%; Pred. No. 0.28;
Matches 39; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACCGCTCCAGCTGACACGGGGTTCACAGAGCCGACACTGAGCTGGGCCA 60
DB 7 ACAGCTCTCCGCTCACAGGGGTACTTCTGCTCCAGATACATCGCCAGCTCCA 60

RESULT 13

US-10-057-136-7

/ Sequence 7, Application US/10057136
/ Publication No. US20030021770A1
/ GENERAL INFORMATION:
/ APPLICANT: SCHLOM, JEFFREY
/ APPLICANT: KANTOR, JUDITH
/ APPLICANT: KUFER, DONALD
/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: PCT/US98/03693
/ PRIOR FILING DATE: 1998-02-24
/ PRIOR APPLICATION NUMBER: 60/038,253
/ PRIOR FILING DATE: 1997-02-24
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 7
/ LENGTH: 60
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-057-136-7

Query Match 48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 0.65;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACCGCTCCAGCTGACACGGGGTTCACAGAGCCGACACTGAGCTGGGCC 59
DB 7 ACAGCTCTCCGCTCACAGGGGTACTTCTGCTCCAGATACATCGCCAGCTCCA 59

RESULT 14

US-10-057-136-11

/ Sequence 11, Application US/10057136
/ Publication No. US20030021770A1
/ GENERAL INFORMATION:
/ APPLICANT: SCHLOM, JEFFREY
/ APPLICANT: KANTOR, JUDITH
/ APPLICANT: KUFER, DONALD
/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: PCT/US98/03693
/ PRIOR FILING DATE: 1998-02-24
/ PRIOR APPLICATION NUMBER: 60/038,253
/ PRIOR FILING DATE: 1997-02-24
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 11
/ LENGTH: 60
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-057-136-11

Query Match 48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 0.65;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACCGCTCCACCTGACACGAGGAGTCAAGCGCCGACACACTGACCTGGCC 59
DB 7 ACCGCACTCCACGACACGAGGAGTCAAGTCACTGACACCGCCGACCTCCAGCTCC 59

RESULT 15

US-10-057-136-2
; Sequence 2, Application US/10057136
; Publication No. US2003021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUPPE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 2
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-2

Query Match 45.7%; Score 27.4; DB 5; Length 60;
Best Local Similarity 69.8%; Pred. No. 2.5;
Matches 37; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 7 ACCGCTCCACCTGACACGAGGAGTCAAGCGCCGACACACTGACCTGGCC 59
DB 7 ACCGCCCCCAGCCGACGAGTCACTCGGCCCCGAGACACAGCGCCGCC 59

Search completed: March 27, 2006, 17:07:47
Job time : 372.4 secs

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FEATURE:
NAME/KEY: CDS
LOCATION: 217..450
US-09-621-976-3353

Query Match 38.3%; Score 23; DB 3; Length 461;
Best Local Similarity 74.4%; Pred. No. 80;
Matches 29; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 8 CCGCTCCACCTGCACACGAGGCTCACAGCGCCGACAGACA 46
DB 260 CAGCTCCACCTCCACCGGAGCCAAACCGAGGAAAGACA 298

RESULT 3

US-08-956-171E-3693/C
Sequence 3693, Application US/08956171E
Patent No. 6593114
GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Straig A. Rosen

Michael R. Pannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSER: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 3693:

SEQUENCE CHARACTERISTICS:

LENGTH: 425 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 3693:

US-08-956-171E-3693

Query Match 38.0%; Score 22.8; DB 3; Length 425;

Best Local Similarity 66.0%; Pred. No. 93;

Matches 33; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 11 CTCACCTGCACACGAGGCTCACAGCGCCGACACTGCAGCTGCGCCA 60
DB 377 CACGACGACACGAGGCTCACAGCGCCGACACTGCAGCTGCGCCA 328

RESULT 4
US-08-781-986A-3693/C
Sequence 3693, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:

APPLICANT: Charles Kunsch

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5255

CORRESPONDENCE ADDRESS:

ADDRESSER: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP

TELEPHONE: (301) 309-8512

TELEFAX: (301) 309-8504

INFORMATION FOR SEQ ID NO: 3693:

SEQUENCE CHARACTERISTICS:

LENGTH: 425 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-3693

Query Match 38.0%; Score 22.8; DB 3; Length 425;

Best Local Similarity 66.0%; Pred. No. 93;

Matches 33; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 11 CTCACCTGCACACGAGGCTCACAGCGCCGACACTGCAGCTGCGCCA 60
DB 377 CACGACGACACGAGGCTCACAGCGCCGACACTGCAGCTGCGCCA 328

RESULT 5

US-09-252-991A-682

Sequence 682, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: ABRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 682

LENGTH: 468

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-682

Query Match 38.0%; Score 22.8; DB 3; Length 468;
Best Local Similarity 62.1%; Pred. No. 95;
Matches 36; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 2 GAAGTACCGCTCCACCTGCACAGGGGTCAAGCGGCCAGACTCGACTGCGGCC 59
DB 397 GACTCCGCGACACGAGCGGCTGTGAGACGAGCGATGACACCTGTGCGCGCC 454

RESULT 6

US-08-956-171E-4775
Sequence 4775, Application US/08956171E
Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch

Gil H. Choi

Patrick S. Dillon

Craig A. Rosen

Steven C. Barash

Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E

FILING DATE: 20-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/009,861

FILING DATE: January 5, 1996

APPLICATION NUMBER: 08/781,986

FILING DATE: January 3, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Mark J. Hyman

REGISTRATION NUMBER: 46,789

REFERENCE/DOCKET NUMBER: PB248P1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (240) 314-1224

TELEFAX: (301) 309-8439

INFORMATION FOR SEQ ID NO: 4775:

SEQUENCE CHARACTERISTICS:

LENGTH: 124 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 4775:

US-08-956-171E-4775

Query Match 37.0%; Score 22.2; DB 3; Length 124;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 36; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 1 GGAAGTACCGCTCCACCTGCACAGGGGTCAAGCGGCCAGACTCGACTGCGGCC 60
DB 56 GAAACACCAACACACGACGACGAGAGTGCAGTGCAGAACCTCCAAACACCGCCA 115

RESULT 7

US-08-781-986A-4775

Sequence 4775, Application US/08781986A

Patent No. 6737248

GENERAL INFORMATION:

APPLICANT: Charles Kunsch
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/781,986A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Benson, Bob

REGISTRATION NUMBER: 30,446

REFERENCE/DOCKET NUMBER: PB248PP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 4775:

SEQUENCE CHARACTERISTICS:

LENGTH: 124 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-08-781-986A-4775

Query Match 37.0%; Score 22.2; DB 3; Length 124;
Best Local Similarity 60.0%; Pred. No. 1.2e+02;
Matches 36; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 1 GGAAGTACCGCTCCACCTGCACAGGGGTCAAGCGGCCAGACTCGACTGCGGCC 60
DB 56 GAAACACCAACACACGACGACGAGAGTGCAGTGCAGAACCTCCAAACACCGCCA 115

RESULT 8

US-09-252-991A-6811/C

Sequence 6811, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 6811

LENGTH: 429

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-6811

Query Match 37.0%; Score 22.2; DB 3; Length 429;
Best Local Similarity 61.0%; Pred. No. 1.5e+02;
Matches 36; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 2 GAAGTACCGCTCCACCTGCACAGGGGTCAAGCGGCCAGACTCGACTGCGGCC 60

Db 362 GAATACAGCGCGCATGACAGCGCGCGCTTANGCGCGCGCCAGTCGCTGAGCTCGA 304

RESULT 9
US-08-691-814B-120
Sequence 120, Application US/08691814B

Patent No. 5981218
GENERAL INFORMATION:
APPLICANT: Rio, Marie-Christine
APPLICANT: Tomasetto, Catherine
APPLICANT: Basset, Paul
APPLICANT: Byrne, Jennifer
TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful
TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer Prognosis
NUMBER OF SEQUENCES: 124
CORRESPONDENCE ADDRESS:
ADDRESSER: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Ave, NW, Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005-3934

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/691,814B
FILING DATE: 31-JUL-1996
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/002,183
FILING DATE: 09-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1383,0090001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2543

INFORMATION FOR SEQ ID NO: 120:
SEQUENCE CHARACTERISTICS:
LENGTH: 482 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULAR TYPE: cDNA
US-08-691-814B-120

Query Match 37.0%; Score 22.2; DB 2; Length 482;
Best Local Similarity 68.2%; Pred. No. 1.5e+02;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 2 GAAGTACCGCTCCACCTGCACAGCGGCTCAAGCGCGCCAGAC 45
Db 185 GAAGAGCCCTCATVTTTACACGGGGTGCACAGCTGCGCTGCC 228

RESULT 10
US-10-152-886-56
Sequence 56, Application US/10152886
Patent No. 6912470

GENERAL INFORMATION:
APPLICANT: ECOPIA BIOSCIENCES INC.
APPLICANT: Farnet, Chris
APPLICANT: Staiff, Alfredo
APPLICANT: Zazopoulos, Emmanuel
TITLE OF INVENTION: GENES AND PROTEINS INVOLVED IN THE BIOSYNTHESIS OF ENEDIYNE RING
STRUCTURES
FILE REFERENCE: 3011-305
CURRENT APPLICATION NUMBER: US/10/152,886

CURRENT FILING DATE: 2002-05-21
NUMBER OF SEQ ID NOS: 102
SOFTWARE: Patent In version 3.0
SEQ ID NO 56
LENGTH: 477
TYPE: DNA
ORGANISM: Kitasatoeoporia sp.
US-10-152-886-56

Query Match 36.3%; Score 21.8; DB 3; Length 477;
Best Local Similarity 61.4%; Pred. No. 2.1e+02;
Matches 35; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 1 GAAGTACCGCTCCACCTGCACAGCGGCTCACAGCGCGCCAGACACTGACTGCG 57
Db 335 GCGACAGCGCGGCTCGCTGCTGATGCGCGCGCCCAACACGACACCCCGCCGAG 391

RESULT 11
US-09-902-540-5930
Sequence 5930, Application US/09902540
Patent No. 6833447

GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 5930

LENGTH: 143
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-5930

Query Match 36.0%; Score 21.6; DB 3; Length 143;
Best Local Similarity 75.0%; Pred. No. 2.1e+02;
Matches 27; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 21 ACACGGGGTCCACAGCGCGCCAGACACTGACTGCG 56
Db 41 ACTCGGCGCTCCAGCGGCTCCAGCGGCTGACGCTGCG 76

RESULT 12
US-09-902-540-3876
Sequence 3876, Application US/09902540
Patent No. 6833447

GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 3876

LENGTH: 420
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-3876

Query Match 36.0%; Score 21.6; DB 3; Length 420;
Best Local Similarity 60.0%; Pred. No. 2.4e+02;

Matches 36; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
Query 1 GGAAGTACCGCTCCAGCTGACAGCGGGGTCAACAGCGCCAGACTGACCTGCGCCA 60
Db 53 GGAAGAACCGCTCCATCCGCTGTGATGCGAACAAGCCCGTGGCGACAGAGCTTCCGCA 112

RESULT 13
US-09-313-294A-5480
Sequence 5480, Application US/09313294A
Patent No. 6476212

GENERAL INFORMATION:
APPLICANT: Laligudi, Raghunath V.
APPLICANT: Ito, Laura Y.
APPLICANT: Sherman, Bradley K.
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
FILE REFERENCE: PL-0017 US
CURRENT APPLICATION NUMBER: US/09/313,294A
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 7600
SOFTWARE: PERL Program
SEQ ID NO 5480
LENGTH: 306
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6476212 700350229H1
NAME/KEY: unsure
LOCATION: 111
OTHER INFORMATION: a, t, c, g, or other
US-09-313-294A-5480

Query Match 35.7%; Score 21.4; DB 3; Length 306;
Best Local Similarity 61.8%; Pred. No. 2.7e+02;
Matches 34; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Query 6 TACCGCTCCAGCTGACAGCGGGGTCAACAGCGCCAGACTGACCTGCGCCA 60
Db 164 TCACGCTCTCTCTGCTACGCGTGTCTGGAGCGAGCTGTGCTTCCACTCCAGCA 218

RESULT 14
US-07-744-282C-30/C
Sequence 30, Application US/07744282C
Patent No. 5521300
GENERAL INFORMATION:
APPLICANT: Shah, Jyotsna S.
APPLICANT: Nietupski, Raymond M.
APPLICANT: Liu, Jing
TITLE OF INVENTION: Oligonucleotides Complementary to
TITLE OF INVENTION: Mycobacterial Nucleic Acids
NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kevin M. Farrell, P.C.
STREET: P.O. Box 999
CITY: York Harbor
STATE: ME
COUNTRY: USA
ZIP: 03911
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/744,282C
FILING DATE: August 13, 1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kevin M. Farrell
REGISTRATION NUMBER: 35,505
REFERENCE/DOCKET NUMBER: GTR90-05

TELECOMMUNICATION INFORMATION:
TELEPHONE: (207) 363-0558
TELEFAX: (207) 363-0528
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: RNA (genomic)

US-07-744-282C-30

Query Match 35.3%; Score 21.2; DB 2; Length 81;
Best Local Similarity 64.0%; Pred. No. 2.6e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Query 10 GCTTCACCTGACAGCGGGGTCAACAGCGCCAGACACTGACCTGCGCC 59
Db 72 GCACCACTGACACATGGCTACAGGGAACGCTCTCTAGACCGGTC 23

RESULT 15
PCT-US92-06821A-36/C
Sequence 36, Application PC/TUS9206821A
GENERAL INFORMATION:

APPLICANT: Shah, Jyotsna S.
APPLICANT: Nietupski, Raymond M.
APPLICANT: Liu, Jing
TITLE OF INVENTION: Oligonucleotides Complementary to
TITLE OF INVENTION: Mycobacterial Nucleic Acids
NUMBER OF SEQUENCES: 133
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amoco Corporation
STREET: 200 East Randolph Drive, P.O. Box 87703
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60680

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/06821A
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/744,282
FILING DATE: 13-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Galloway, Norval B.
REGISTRATION NUMBER: 33,595
REFERENCE/DOCKET NUMBER: CN 5851
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-856-7180
TELEFAX: 312-856-4972

INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
PCT-US92-06821A-36

Query Match 35.3%; Score 21.2; DB 6; Length 81;
Best Local Similarity 64.0%; Pred. No. 2.6e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Query 10 GCTTCACCTGACAGCGGGGTCAACAGCGCCAGACACTGACCTGCGCC 59
Db 72 GCACCACTGACACATGGCTACAGGGAACGCTCTCTAGACCGGTC 23

Search completed: March 27, 2006, 16:33:30
Job time : 55.5 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
744.399 Million cell updates/sec

Title: US-10-057-136A-8
Perfect score: 60
Sequence: 1 GGCAGACCGCACCGCCCGC.....CAGACACGACCTGCGCGCA 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues

Total number of hits satisfying chosen parameters: 14431810

Minimum DB seq length: 0
Maximum DB seq length: 500 }

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA_New:*

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- 2: /SIDS5/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 3: /SIDS5/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 4: /SIDS5/ptodata/2/pubpna/PCR_NEW_PUB.seq:*
- 5: /SIDS5/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 6: /SIDS5/ptodata/2/pubpna/US09_NEW_PUB.seq:*
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- 11: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 12: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 13: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 14: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
- 15: /SIDS5/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match length	DB ID	Description
1	28.8	48.0	468	US-10-401-386B-43	Sequence 43, Appl
2	28.6	47.7	328	US-10-517-696-41	Sequence 41, Appl
3	22.4	37.3	201	US-10-995-561-29215	Sequence 29215, A
4	22.4	37.3	201	US-11-124-367A-23149	Sequence 23149, A
5	22	36.7	201	US-10-995-561-28952	Sequence 28952, A
6	21.4	35.7	166	US-11-051-720-857	Sequence 857, App
7	21.4	35.7	427	US-09-925-065A-487647	Sequence 487647, A
8	21.4	35.7	427	US-09-925-065A-495321	Sequence 495321, A
9	21.2	35.3	201	US-11-124-367A-23150	Sequence 23150, A
10	21.2	35.3	201	US-11-124-367A-23151	Sequence 23151, A
11	20.8	34.7	201	US-11-124-368A-3602	Sequence 3602, Ap
12	20.8	34.7	201	US-11-124-367A-16298	Sequence 16298, A
13	20.8	34.7	374	US-10-802-796-567	Sequence 567, App
14	20.8	34.7	497	US-09-925-065A-15114	Sequence 15114, A
15	20.8	34.7	497	US-10-301-480-116351	Sequence 116351, A
16	20.8	34.7	497	US-10-301-480-729760	Sequence 729760, A
17	20.6	34.3	201	US-11-124-367A-25550	Sequence 25550, A
18	20.6	34.3	371	US-09-925-065A-829767	Sequence 829767, A

C 19	20.6	34.3	371	6	US-09-925-065A-829768	Sequence 829768, A
C 20	20.4	34.0	201	14	US-11-124-367A-4068	Sequence 4068, Ap
C 21	20.4	34.0	201	14	US-11-124-367A-4089	Sequence 4089, Ap
C 22	20.4	34.0	201	14	US-11-124-367A-4110	Sequence 4110, Ap
C 23	20.4	34.0	494	9	US-10-495-662-30	Sequence 30, Appl
C 24	20.4	34.0	494	9	US-10-495-662-31	Sequence 31, Appl
C 25	20.4	34.0	494	9	US-10-495-662-32	Sequence 32, Appl
C 26	20.4	34.0	494	9	US-10-495-662-33	Sequence 33, Appl
C 27	20.4	34.0	494	9	US-10-495-662-34	Sequence 34, Appl
C 28	20.2	33.7	201	8	US-10-995-561-79816	Sequence 79816, A
C 29	20.2	33.7	346	6	US-09-925-065A-22503	Sequence 22503, A
C 30	20.2	33.7	346	9	US-10-301-480-123740	Sequence 123740, A
C 31	20.2	33.7	346	10	US-10-301-480-737149	Sequence 737149, A
C 32	20.2	33.7	452	6	US-09-925-065A-537243	Sequence 537243, A
C 33	20	33.3	200	6	US-09-925-065A-225210	Sequence 225210, A
C 34	20	33.3	201	14	US-11-124-368A-7889	Sequence 7889, Ap
C 35	20	33.3	201	14	US-11-124-368A-7961	Sequence 7961, Ap
C 36	20	33.3	279	6	US-09-925-065A-124694	Sequence 124694, A
C 37	20	33.3	295	6	US-09-925-065A-435299	Sequence 435299, A
C 38	20	33.3	360	6	US-09-925-065A-175337	Sequence 175337, A
C 39	20	33.3	361	10	US-10-301-480-266674	Sequence 266674, A
C 40	20	33.3	361	10	US-10-301-480-880083	Sequence 880083, A
C 41	20	33.3	368	6	US-09-925-065A-435296	Sequence 435296, A
C 42	20	33.3	396	6	US-09-925-065A-435301	Sequence 435301, A
C 43	20	33.3	423	10	US-10-301-480-395506	Sequence 395506, A
C 44	20	33.3	426	10	US-10-301-480-517722	Sequence 517722, A
C 45	20	33.3	426	10	US-10-301-480-1008915	Sequence 1008915, A

ALIGNMENTS

RESULT 1
US-10-401-386B-43
Sequence 43, Application US/10401386B
Publication No. US20050261213A1
GENERAL INFORMATION:
APPLICANT: Patrick Branigan
APPLICANT: Theresa J Goletz
APPLICANT: David M Knight
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallan
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: for Use
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43
Query Match 48.0%; Score 28.8; DB 8; Length 468;
Best Local Similarity 69.6%; Pred. No. 2;
Matches 39; Conservative 0; Mismatches 17; Indels 0; Gaps 0;
Oy 1 GGCAGACCGCACCGCCCGCACGAGGCGCCAGACACTGCAGCTCGC 56
Db 412 GGCCTCACCGCCCGCCCGCACGAGGCGCCAGACACTGCAGCTCGC 467
RESULT 2

US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and PR
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41

Query Match 47.7%; Score 28.6; DB 9; Length 328;
Best Local Similarity 67.8%; Pred. No. 2.4;
Matches 40; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 1 GGACGACCGCACCGCCGCGACAGGGGTACAGAGCGGCACGACCTGCGGCC 59
DB 95 GGCTCCACCGCCGCCGACCGCCGACGAGTGTCACTCGGCCCCGACACGAGCGGCCCC 153

RESULT 3
US-10-995-561-29215/C
; Sequence 29215, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29215
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-29215

Query Match 37.3%; Score 22.4; DB 8; Length 201;
Best Local Similarity 72.5%; Pred. No. 2.8e+02;

Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 GGACGACCGCACCGCCGCGACAGGGGTACAGAGCGGC 40
DB 109 GGACGCCCTGCTCCGCCCCACACCGGATGACACTGCCC 70

RESULT 4
US-11-124-367A-23149/C
; Sequence 23149, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A

; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 3460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23149
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-23149

Query Match 37.3%; Score 22.4; DB 14; Length 201;
Best Local Similarity 64.0%; Pred. No. 2.8e+02;
Matches 32; Conservative 1; Mismatches 17; Indels 0; Gaps 0;

QY 11 CACCGCCGACACCGGGGTACAGAGCGCCGACGACCTGACCTGCGCCA 60
DB 145 CACCTACCGCACTCGGTGTCCAGAGCGCGGCTCACTCCTCCTCCA 96

RESULT 5
US-10-995-561-28952/C
; Sequence 28952, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28952
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-28952

Query Match 36.7%; Score 22; DB 8; Length 201;
Best Local Similarity 70.0%; Pred. No. 3.8e+02;
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 GGACGACCGCACCGCCGCGACAGGGGTACAGAGCGGC 40
DB 114 GGACGCCGCTCTGCCCCACACCGGATGACACTGCCC 75

RESULT 6
US-11-051-720-857/C
; Sequence 857, Application US/11051720
; Publication No. US20060046257A1
; GENERAL INFORMATION:
; APPLICANT: Compugen Ltd
; TITLE OF INVENTION: NOVEL NUCLEOTIDE AND AMINO ACID SEQUENCES, AND ASSAYS AND METHODS
; TITLE OF INVENTION: THEROF FOR DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 1847.1002
; CURRENT APPLICATION NUMBER: US/11/051,720
; CURRENT FILING DATE: 2005-01-27
; NUMBER OF SEQ ID NOS: 1780
; SEQ ID NO 857
; LENGTH: 166
; TYPE: DNA
; ORGANISM: Artificial1
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
US-11-051-720-857

Query Match 35.7%; Score 21.4; DB 11; Length 166;
Best Local Similarity 61.8%; Pred. No. 6.2e+02;
Matches 34; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 5 GCACCGCAGCCGCCGACAGGGGTCTACAGCGCGCCAGACACTCCAGCTTGCGCC 59
Db 109 GTACTCCTACTCTCCGACAGCGCGGTTCAATGCGTCCAGCGTCAAGACCTTGCGC 55

RESULT 7
US-09-925-065A-487647
; Sequence 487647, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 487647
; LENGTH: 427
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-487647

Query Match 35.7%; Score 21.4; DB 6; Length 427;
Best Local Similarity 61.8%; Pred. No. 5.5e+02;
Matches 34; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 3 CACGACCGCAGCCGCCGACAGGGGTCTACAGCGCGCCAGACACTCGACTGCGC 57
Db 102 CTCGCCCGCCGCCGCCGCGACGTCAGAGACTGAGCGCCAGACTCAAGCCCTTACG 156

RESULT 8
US-09-925-065A-495321/c
; Sequence 495321, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 495321
; LENGTH: 487
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-925-065A-495321

Query Match 35.7%; Score 21.4; DB 6; Length 487;
Best Local Similarity 61.8%; Pred. No. 5.5e+02;
Matches 34; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 5 GCACCGCAGCCGCCGACAGGGGTCTACAGCGCGCCAGACACTCCAGCTTGCGCC 59
Db 170 GTACTCCTACTCTCCGACAGCGCGGTTCAATGCGTCCAGCGTCAAGACCTTGCGC 116

RESULT 9
US-11-124-367A-23150/c
; Sequence 23150, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23150
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-23150

Query Match 35.3%; Score 21.2; DB 14; Length 201;
Best Local Similarity 64.0%; Pred. No. 7e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 11 CACCGCCCGCAGACAGGGGTCTACAGCGCGCCAGACACTGAGCTTGCGCA 60
Db 62 CACTTACCGGACTCTGCTGTCCAGAGCGCGGCTGCTCACTCACTCACTCA 13

RESULT 10
US-11-124-367A-23151/c
; Sequence 23151, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23151
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-23151

Query Match 35.3%; Score 21.2; DB 14; Length 201;
Best Local Similarity 64.0%; Pred. No. 7e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 11 CACCCGCCGACACGCGGTTCACAAAGCGCCGACGACTGACCTGGCCCA 60
DB 70 CACCTTACCCGACTCGGTGTCCAGGAGCGGCTCTCATCTCACTTCCA 21

RESULT 11
US-11-124-368A-3602
; Sequence 3602, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3602
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-3602

Query Match 34.7%; Score 20.8; DB 14; Length 201;
Best Local Similarity 64.6%; Pred. No. 9.5e+02;
Matches 31; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 5 GCACCCGACCGCCGACACGCGGTTCACAAAGCGCCGACGACTCGAC 52
DB 132 GCAGTGCAGAGACACAAAGGGCTCATCTGCACCCCAAGCCCCGGC 179

RESULT 12
US-11-124-367A-16298
; Sequence 16298, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrinolytic Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/559,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16298
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-16298

Query Match 34.7%; Score 20.8; DB 14; Length 201;
Best Local Similarity 60.7%; Pred. No. 9.5e+02;
Matches 34; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 1 GGCACACCGCACCGCCCGCCGACACGCGGTTCACAAAGCGCCGACGACTTGC 56
DB 123 GGCACACCGCCCTCTGCCCCACGACGAGGCTCTGTGCACCCCAAGGACTCC 178

RESULT 13
US-10-802-796-567
; Sequence 567, Application US/10802796
; Publication No. US20050250104A1
; GENERAL INFORMATION:
; APPLICANT: COLE, STEWART
; APPLICANT: BUCHRIESEN-BROSCH, ROLAND
; APPLICANT: GORDON, STEPHEN
; APPLICANT: BILAUUT, ALAIN
; TITLE OF INVENTION: A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST
; TITLE OF INVENTION: FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED
; TITLE OF INVENTION: DNA LIBRARY. APPLICATION TO THE DETECTION OF
; TITLE OF INVENTION: MYCOBACTERIA.
; FILE REFERENCE: 05394.0011-00000
; CURRENT APPLICATION NUMBER: US/10/802,796
; CURRENT FILING DATE: 2004-03-18
; PRIOR APPLICATION NUMBER: US/09/673,476
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: PCT/IB99/00740
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: 09/060,756
; PRIOR FILING DATE: 1998-04-16
; NUMBER OF SEQ ID NOS: 743
; SOFTWARE: Patencin Ver. 2.2
; SEQ ID NO 567
; LENGTH: 374
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis

FEATURE:
NAME/KEY: modified_base
LOCATION: (15)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (20)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (23)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (93)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (205)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (262)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (268)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (275)
OTHER INFORMATION: a, t, c or g
FEATURE:
NAME/KEY: modified_base
LOCATION: (327)
OTHER INFORMATION: a, t, c or g

US-10-802-796-567

Query Match

34.7%; Score 20.8; DB 8; Length 374;
Best Local Similarity 59.6%; Pred. No. 8.9e+02;
Matches 31; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 2 GCAGACCGCAGCCCGCCGACACAGGGGTTCACAAGCGCCGACACTCGACC 53
DB 10 GCNCNCCGANCNCNCGGTACGCCCCGACCGCCGTACCCGGACCCGACCC 61

RESULT 14

US-09-925-065A-15114/C
Sequence 15114, Application US/09925065A
Publication No. US20040181048A1

GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
FILE REFERENCE: 108827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR FILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/289,846
PRIOR FILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15114
LENGTH: 497
TYPE: DNA
ORGANISM: Homo sapiens
US-09-925-065A-15114

Query Match

34.7%; Score 20.8; DB 6; Length 497;
Best Local Similarity 64.6%; Pred. No. 8.6e+02;
Matches 31; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1 GGCAGACCGCAGCCCGCCGACACAGGGGTTCACAAGCGCCGACACT 48
DB 463 GGCAGCTCCATACCACTCCCTGAAAGGGGACACCACTTCACTTCT 416

RESULT 15

US-10-301-480-116351/C
Sequence 116351, Application US/10301480
Publication No. US20060057564A1

GENERAL INFORMATION:

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
FILE REFERENCE: 108827.137
CURRENT APPLICATION NUMBER: US/10/301,480
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 10/215,598
PRIOR FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US 60/311,695
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 1226818
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 116351
LENGTH: 497
TYPE: DNA
ORGANISM: Homo sapiens
US-10-301-480-116351

Query Match

34.7%; Score 20.8; DB 9; Length 497;

Best Local Similarity 64.6%; Pred. No. 8.6e+02;
Matches 31; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1 GGCAGACCGCAGCCCGCCGACACAGGGGTTCACAAGCGCCGACACT 48
DB 463 GGCAGCTCCATACCACTCCCTGAAAGGGGACACCACTTCACTTCT 416

Search completed: March 27, 2006, 14:47:10
Job time: 321.3 secs

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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136A-8

Perfect score: 1 GGCAGACCGCACCGCCGCCG.....CAGACACTGCTGCGGCCA 60

Sequence: 1 GGCAGACCGCACCGCCGCCG.....CAGACACTGCTGCGGCCA 60

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues 14089978

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

Published Applications NA Main:
1: /cgn2_6/ptodaca/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodaca/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/ptodaca/1/pubpna/US09_PUBCOMB.seq:*
4: /cgn2_6/ptodaca/1/pubpna/US09_PUBCOMB.seq:*
5: /cgn2_6/ptodaca/1/pubpna/US10A_PUBCOMB.seq:*
6: /cgn2_6/ptodaca/1/pubpna/US10B_PUBCOMB.seq:*
7: /cgn2_6/ptodaca/1/pubpna/US10C_PUBCOMB.seq:*
8: /cgn2_6/ptodaca/1/pubpna/US10D_PUBCOMB.seq:*
9: /cgn2_6/ptodaca/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/ptodaca/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	60	100.0	60	5	US-10-057-136-8
2	52	86.7	60	5	US-10-057-136-9
3	36.6	61.0	60	5	US-10-057-136-12
4	33.4	55.7	60	5	US-10-057-136-4
5	31.8	53.0	60	5	US-10-057-136-5
6	30.6	51.0	60	5	US-10-057-136-11
7	30.2	50.3	60	5	US-10-057-136-2
8	30.2	50.3	78	5	US-10-057-136-13
9	30	50.0	60	5	US-10-057-136-6
10	29	48.3	120	8	US-10-635-211-3
11	29	48.3	162	8	US-10-635-211-8
12	27.6	46.0	362	5	US-10-425-115-18356
13	27.4	45.7	60	5	US-10-057-136-7
14	27.2	45.3	72	7	US-10-286-734-1165
15	27.2	45.3	300	5	US-10-076-555-221
16	27.2	45.3	300	9	US-10-779-543-1253
17	25.6	42.7	60	5	US-10-057-136-14
18	25.4	42.3	93	7	US-10-471-607-5
19	25.4	42.3	156	7	US-10-471-607-6
20	25.4	42.3	157	7	US-10-471-607-9
21	25.4	42.3	157	7	US-10-471-607-9
22	25.4	42.3	350	8	US-10-425-115-119587
23	25.4	42.3	350	8	US-10-425-115-119587

24	25.2	42.0	164	3	US-09-864-864-258	Sequence 258, App
25	25	41.7	477	5	US-10-152-886-56	Sequence 56, App1
26	25	41.7	477	10	US-11-053-576-56	Sequence 56, App1
27	25	41.7	477	10	US-11-053-052-56	Sequence 301, App
28	24.4	40.7	495	8	US-10-425-115-168514	Sequence 168514, App
29	24.4	40.7	495	8	US-10-425-115-168514	Sequence 982, App
30	24	40.0	300	9	US-10-779-543-982	Sequence 6080, App
31	23.8	39.7	150	7	US-10-437-963-6080	Sequence 10, App1
32	23.6	39.3	60	5	US-10-057-136-10	Sequence 10, App
33	23.6	39.3	60	5	US-10-716-293-214	Sequence 46567, A
34	23.4	39.0	171	7	US-10-437-963-46567	Sequence 91177, A
35	23.4	39.0	342	7	US-10-437-963-91177	Sequence 25263, A
36	23.4	39.0	390	7	US-10-437-963-25263	Sequence 21478, A
37	23.2	38.7	438	9	US-10-450-763-21478	Sequence 1821, A
38	23.2	38.7	371	7	US-10-437-963-21821	Sequence 3693, App
39	23	38.3	425	7	US-08-781-986A-3693	Sequence 135, App
40	23	38.3	425	7	US-10-329-624-3693	Sequence 135, App
41	23	38.3	456	6	US-10-156-761-6796	Sequence 6796, App
42	22.8	38.0	306	7	US-10-437-963-76674	Sequence 76674, A
43	22.8	38.0	339	6	US-10-007-926A-127	Sequence 127, App
44	22.8	38.0	355	3	US-09-738-973-135	Sequence 135, App
45	22.8	38.0	355	3	US-09-854-133-135	Sequence 135, App

ALIGNMENTS

```
RESULT 1
US-10-057-136-8
; Sequence 8, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOW, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366, 670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038, 253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-8
Query Match 100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 2.2e-11;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1 GGCAGACCGCACCGCCGCCACACGGGCTCACAGCGCCAGACACTGCTGCGCCA 60
1 GGCAGACCGCACCGCCGCCACACGGGCTCACAGCGCCAGACACTGCTGCGCCA 60
RESULT 2
US-10-057-136-9
; Sequence 9, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOW, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFFE, DONALD
```

APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-9

Query Match 86.7%; Score 52; DB 5; Length 60;
Best Local Similarity 91.7%; Pred. No. 1,3e-08;
Matches 55; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GGCAGCACCACCGCCGCGACACGGGGTCAACAAGCGCCGACACTGACTGCGGCC 60
DB 1 GGAAGTACCGCTCCACTGCGACACGGGGTCAACAAGCGCCGCGACACTGCGGCCA 60

RESULT 3
US-10-057-136-12
Sequence 12, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLON, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFU, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 12
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-12

Query Match 61.0%; Score 36.6; DB 5; Length 60;
Best Local Similarity 76.3%; Pred. No. 0.0031;
Matches 45; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 GGCAGCACCACCGCCGCGACACGGGGTCAACAAGCGCCGACACTGACTGCGGCC 59
DB 1 GGAAGTACCGCTCCACTGCGACACGGGGTCAACAAGCGCCGCGACACTGCGGCC 59

RESULT 4
US-10-057-136-4
Sequence 4, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:

APPLICANT: SCHLON, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFU, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-4

Query Match 55.7%; Score 33.4; DB 5; Length 60;
Best Local Similarity 72.9%; Pred. No. 0.04; Mismatches 16; Indels 0; Gaps 0;
Matches 43; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 1 GGCAGCACCACCGCCGCGACACGGGGTCAACAAGCGCCGACACTGACTGCGGCC 59
DB 1 GGCAGTCTGACACCGCGCATGGCGTCAATCATGACACTGATCAAGACTGACACC 59

RESULT 5
US-10-057-136-5
Sequence 5, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLON, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFU, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-5

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.15; Mismatches 17; Indels 0; Gaps 0;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1 GGCAGCACCACCGCCGCGACACGGGGTCAACAAGCGCCGACACTGACTGCGGCC 59
DB 1 GGATCCACCGCGCGCTGCGACGGAGTGAAGTGGCGCCGCGACACGGCGCCGCTCC 59

RESULT 6
US-10-057-136-11

; Sequence 11, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUIFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-11

Query Match 51.0%; Score 30.6; DB 5; Length 60;
Best Local Similarity 73.6%; Pred. No. 0.38;
Matches 39; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 7 ACCGACCGCCCGACACGCGGGTCAACAAGCGCGCCGACACCTGACCTGGCC 59
DB 7 ACCGACCTCCAGACACGAGGTACGTCGTGACCCGACACCGGTCAGCTCC 59

RESULT 7
US-10-057-136-2
; Sequence 2, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUIFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-2

Query Match 50.3%; Score 30.2; DB 5; Length 60;
Best Local Similarity 69.5%; Pred. No. 0.52;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGCACGACCGCCCGACACGCGGGTCAACAAGCGCGCCGACACCTGACCTGGCC 59
DB 1 GGCACCGCCCGCCCGACACGCGGTGTCACCTCGGCCCGGACACGAGCGGCCCC 59

RESULT 8
US-10-057-136-13
; Sequence 13, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUIFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 50.3%; Score 30.2; DB 5; Length 78;
Best Local Similarity 69.5%; Pred. No. 0.51;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGCACGACCGCCCGACACGCGGGTCAACAAGCGCGCCGACACCTGACCTGGCC 59
DB 1 GGCACCGCCCGCCCGACCGGTGTCACCTCGGCCCGGACACGAGCGGCCCC 59

RESULT 9
US-10-057-136-6
; Sequence 6, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUIFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-6

Query Match 50.0%; Score 30; DB 5; Length 60;
Best Local Similarity 72.2%; Pred. No. 0.62;
Matches 39; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACCGACCGCCCGACACGCGGGTCAACAAGCGCGCCGACACCTGACCTGGCCA 60

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Db      7  ACAGCTCCCGCTCATGGGGTTACTTCTGCTCCAGATTACTGCCAGCTCCA 60
RESULT 10
US-10-635-211-3
; Sequence 3, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDVAx Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; TITLE OF INVENTION: and the epitope of MUC1
; FILE REFERENCE: FP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 120
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(120)
US-10-635-211-3

Query Match      48.3%; Score 29; DB 8; Length 120;
Best Local Similarity 71.7%; Pred. No. 1.3;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY      7  ACCGCAACCGCCGCAACAGGGGTTCAACAGCGCCGACACTGACTGCGCC 59
Db      7  ACCGCTCCCGCGCTCACGGGTGTACTCTGCTCCGACACCCGCTCGCTCC 59
RESULT 11
US-10-635-211-8/c
; Sequence 8, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDVAx Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; TITLE OF INVENTION: and the epitope of MUC1
; FILE REFERENCE: FP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; CURRENT FILING DATE: 2003-08-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 162
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-635-211-8

Query Match      48.3%; Score 29; DB 8; Length 162;
Best Local Similarity 71.7%; Pred. No. 1.2;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY      7  ACCGCAACCGCCGCAACAGGGGTTCAACAGCGCCGACACTGACTGCGCC 59
Db      132  ACCGCTCCCGCGCTCACGGGTGTACTCTGCTCCGACACCCGCTCGCTCC 80
RESULT 12
US-10-425-115-18356
; Sequence 18356, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
```

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; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 18356
; LENGTH: 362
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_116740C.1
US-10-425-115-18356

Query Match      46.0%; Score 27.6; DB 8; Length 362;
Best Local Similarity 72.0%; Pred. No. 3.4;
Matches 36; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY      8  CCGCACCGCCCGCAACAGGGGTTCAACAGCGCCGACACTGACTGCGG 57
Db      228  CCACACCGCCCGCAACAGGGGTCAGACCGCCCGCCCGAGGACAGGAGG 277
RESULT 13
US-10-057-136-7
; Sequence 7, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLON, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALT, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-7

Query Match      45.7%; Score 27.4; DB 5; Length 60;
Best Local Similarity 69.8%; Pred. No. 5;
Matches 37; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY      7  ACCGCAACCGCCGCAACAGGGGTTCAACAGCGCCGACACTGACTGCGCC 59
Db      7  ACCGCCCCCTGCTCACGGGTGTAACTCCGCGCGGATACAGACCGGCCCC 59
RESULT 14
US-10-296-734-1165
; Sequence 1165, Application US/10296734
; Publication No. US20040054137A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Scott A
; APPLICANT: Ramshaw, Ian A
; TITLE OF INVENTION: Synthetic molecules and uses therefor
; FILE REFERENCE: Savine
; CURRENT APPLICATION NUMBER: US/10/296,734
; CURRENT FILING DATE: 2003-08-04
```


;; PRIOR APPLICATION NUMBER: AU P07761/00
;; PRIOR FILING DATE: 2000-05-26
;; NUMBER OF SEQ ID NOS: 1507
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 1165
;; LENGTH: 72
;; TYPE: DNA
;; ORGANISM: Artificial
;; FEATURE:
;; OTHER INFORMATION: MUC1F segment 8
;; NAME/KEY: CDS
;; LOCATION: (1)..(72)
US-10-296-734-1165

Query Match 45.3%; Score 27.2; DB 7; Length 72;
Best Local Similarity 67.9%; Pred. No. 5.7;
Matches 38; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGCAGCACCGCACCGCCGCGACAGCGGAGTCACAGCGCCGACACTGCACTGC 56
DB 16 GGAAGCACACCCCTCCCGCTCAGATGTGACAGCGCTCCCGATTAACAAGCCGC 71

RESULT 15
US-10-076-555-221
;; Sequence 221, Application US//10076555
;; Publication No. US20030065156A1
;; GENERAL INFORMATION:
;; APPLICANT: Williams, Lewis T.
;; APPLICANT: Escobedo, Jaime
;; APPLICANT: Innis, Michael A.
;; APPLICANT: Garcia, Pablo Dominguez
;; APPLICANT: Sudduth-Klinger, Julie
;; APPLICANT: Reinhard, Christoph
;; APPLICANT: Gleese, Klaus
;; APPLICANT: Randazzo, Filippo
;; APPLICANT: Kennedy, Giulia C.
;; APPLICANT: Pot, David
;; APPLICANT: Kassam, Altaf
;; APPLICANT: Lamson, George
;; APPLICANT: Drmanac, Radoje
;; APPLICANT: Cervenjakov, Radomir
;; APPLICANT: Dickson, Mark
;; APPLICANT: Drmanac, Snezana
;; APPLICANT: Labat, Ivan
;; APPLICANT: Leishkowitz, Dena
;; APPLICANT: Kila, David
;; APPLICANT: Garcia, Veronica
;; APPLICANT: Jones, Lee William
;; APPLICANT: Stache-Crain, Birgit
;; TITLE OF INVENTION: Novel Human Genes and Gene Expression
;; TITLE OF INVENTION: Products I
;; FILE REFERENCE: 2300-1480
;; CURRENT APPLICATION NUMBER: US//10/076, 555
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/217,471
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-21
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/068,755
;; PRIOR FILING DATE: EARLIER FILING DATE: 1997-12-23
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/080,664
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-03
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/105,234
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-21
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/105,877
;; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-27
;; NUMBER OF SEQ ID NOS: 844
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 221
;; LENGTH: 300
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-076-555-221

Query Match 45.3%; Score 27.2; DB 5; Length 300;
Best Local Similarity 67.9%; Pred. No. 4.8;
Matches 38; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGCAGCACCGCACCGCCGCGACAGCGGAGTCACAGCGCCGACACTGCACTGC 56
DB 82 GCCGACATTCACACACCGGACACAGACCAGCCAGCAGACACAGGATCTGC 137

Search completed: March 27, 2006, 17:07:49
Job time : 371.4 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 seconds
(without alignments)
1921.688 Million cell updates/sec

Title: US-10-057-136a-8

Perfect score: 60

Sequence: 1 GGCAGCAGCGCAGCCGCCGCGC.....CAGACACTGACCTGCGCCCA 60

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0
Maximum DB seq length: 5000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Issued Patents NA: *
1: /cgn2_6/ptodaca/1/ina/1 COMB.seq: *
2: /cgn2_6/ptodaca/1/ina/5 COMB.seq: *
3: /cgn2_6/ptodaca/1/ina/6A COMB.seq: *
4: /cgn2_6/ptodaca/1/ina/6B COMB.seq: *
5: /cgn2_6/ptodaca/1/ina/H COMB.seq: *
6: /cgn2_6/ptodaca/1/ina/PCTUS COMB.seq: *
7: /cgn2_6/ptodaca/1/ina/PP COMB.seq: *
8: /cgn2_6/ptodaca/1/ina/RE COMB.seq: *
9: /cgn2_6/ptodaca/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	27.4	45.7	60	US-09-475-947A-246	Sequence 246, App
2	25	41.7	477	US-10-152-886-56	Sequence 56, App
3	23.4	39.0	154	US-09-513-999C-26161	Sequence 26161, A
4	23	38.3	274	US-09-621-976-16450	Sequence 16450, A
5	23	38.3	425	US-08-956-171E-3693	Sequence 3693, Ap
6	23	38.3	425	US-08-781-986A-3693	Sequence 3693, Ap
7	22.8	38.0	355	US-09-370-838-135	Sequence 135, App
8	22.8	38.0	355	US-09-854-133-135	Sequence 135, App
9	22.4	37.3	342	US-09-621-976-8724	Sequence 8724, Ap
10	22.4	37.3	399	US-09-902-540-2937	Sequence 2937, Ap
11	22.2	37.0	81	US-07-744-282C-30	Sequence 30, App1
12	22.2	37.0	81	PCT-US92-06821A-36	Sequence 36, App1
13	22.2	37.0	333	US-09-902-540-6202	Sequence 6202, Ap
14	21.8	36.3	124	US-08-956-171E-4775	Sequence 4775, Ap
15	21.8	36.3	124	US-08-781-986A-4775	Sequence 4775, Ap
16	21.8	36.3	411	US-09-252-991A-6702	Sequence 6702, Ap
17	21.8	36.3	423	US-09-252-991A-6702	Sequence 6702, Ap
18	21.8	36.3	468	US-09-303-518D-781	Sequence 781, App
19	21.6	36.0	143	US-09-902-540-5930	Sequence 5930, Ap
20	21.6	36.0	468	US-09-252-991A-682	Sequence 682, App
21	21.4	35.7	120	US-09-902-540-3405	Sequence 3405, Ap
22	21.4	35.7	120	US-09-154-083-5	Sequence 5, App1
23	21.2	35.3	169	US-09-270-767-2836	Sequence 2836, Ap
24	21.2	35.3	169	US-09-270-767-18118	Sequence 18118, A

C 25	21.2	35.3	399	3	US-09-252-991A-750	Sequence 750, App
C 26	21.2	35.3	459	3	US-09-902-540-3364	Sequence 3364, Ap
C 27	21.2	35.3	480	3	US-09-252-991A-3426	Sequence 3426, Ap
C 28	21.2	35.3	486	3	US-09-621-976-16449	Sequence 16449, A
C 29	21.2	35.3	407	3	US-09-621-976-2815	Sequence 2815, Ap
C 30	20.8	34.7	116	3	US-09-513-999C-3603	Sequence 3603, A
C 31	20.8	34.7	165	3	US-09-270-767-3201	Sequence 3201, Ap
C 32	20.8	34.7	165	3	US-09-270-767-18483	Sequence 18483, A
C 33	20.8	34.7	374	3	US-09-600-756-567	Sequence 567, App
C 34	20.8	34.7	374	3	US-09-670-314-567	Sequence 567, App
C 35	20.6	34.3	83	3	US-09-304-967-75	Sequence 75, App1
C 36	20.6	34.3	254	3	US-09-621-976-1088	Sequence 1088, Ap
C 37	20.6	34.3	256	3	US-09-513-999C-13203	Sequence 13203, A
C 38	20.6	34.3	300	3	US-09-270-767-6616	Sequence 6616, Ap
C 39	20.6	34.3	300	3	US-09-270-767-21898	Sequence 21898, A
C 40	20.6	34.3	306	3	US-09-513-294A-6993	Sequence 6993, Ap
C 41	20.6	34.3	314	3	US-09-513-999C-1808	Sequence 1808, Ap
C 42	20.6	34.3	337	3	US-09-533-559-602	Sequence 602, App
C 43	20.6	34.3	354	3	US-09-252-991A-16532	Sequence 16532, A
C 44	20.6	34.3	405	3	US-09-252-991A-12918	Sequence 12918, A
C 45	20.6	34.3	477	3	US-09-621-976-10293	Sequence 10293, A

ALIGNMENTS

RESULT 1
US-09-475-947A-246
Sequence 246, Application US/09475947A
Patent No. 6472154
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Wren, Jonathan D.
TITLE OF INVENTION: Polymorphic Repeats in Human Genes
FILE REFERENCE: UTS0667
CURRENT APPLICATION NUMBER: US/09/475,947A
CURRENT FILING DATE: 1999-12-31
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 246
LENGTH: 60
TYPE: DNA
ORGANISM: human
US-09-475-947A-246

Query Match 45.7%; Score 27.4; DB 3; Length 60;
Best local Similarity 69.8%; Pred. No. 5.2;
Matches 37; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 1 GGCAGCAGCGCAGCGCCGCGACAGCGGTCACAGAGCGCCGACACTGAGCC 53
DB 7 GGCCTCCAGCGCCGCCCGCAGCGGTCACCTCGAGCCCGGACAGCAGGCC 59

RESULT 2
US-10-152-886-56
Sequence 56, Application US/10152886
Patent No. 6912470
GENERAL INFORMATION:
APPLICANT: ECOPIA BIOSCIENCES INC.
APPLICANT: Staffa, Chris
APPLICANT: Staffa, Alfredo
APPLICANT: Zazopoulos, Emmanuel
TITLE OF INVENTION: GENES AND PROTEINS INVOLVED IN THE BIOSYNTHESIS OF ENEDIYNE RING
FILE REFERENCE: 3011-3US
CURRENT APPLICATION NUMBER: US/10/152,886
CURRENT FILING DATE: 2002-05-21
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.0
SEQ ID NO 56
LENGTH: 477

TYPE: DNA
ORGANISM: Kiliatosporea sp.
US-10-152-886-56

Query Match
Best Local Similarity 41.7%; Score 25; DB 3; Length 477;
Matches 37; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 1 GGCAGACCGCCACCGCCGCGGTCACAAAGCGCCGACACCTGCGG 57
DB 335 GGCAGACCGCGGTCGCTGATCGCGGCCCAACCGACCCGCCGCGG 391

RESULT 3
US-09-513-999C-26161
Sequence 26161, Application US/09513999C
Patent No. 6783961
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclerc, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
FILE REFERENCE: 59 US2, REG
CURRENT APPLICATION NUMBER: US/09/513,999C
CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 36681
SOFTWARE: Patent.pm
SEQ ID NO 26161
LENGTH: 154
TYPE: DNA
ORGANISM: Homo sapiens
US-09-513-999C-26161

Query Match
Best Local Similarity 39.0%; Score 23.4; DB 3; Length 154;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 GGCAGACCGCCACCGCCGCGGTCACAAAGCGCCGACACCTGCGG 57
DB 80 GGCAGACCGCCGCGGTCGCTGATCGCGGCCCAACCGACCCGCCGCGG 136

RESULT 4
US-09-621-976-16450/C
Sequence 16450, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Joibert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16450
LENGTH: 274
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: 123,127
OTHER INFORMATION: n=a, y, c or t
US-09-621-976-16450

Query Match
Best Local Similarity 38.3%; Score 23; DB 3; Length 274;
Matches 35; Conservative 1; Mismatches 23; Indels 0; Gaps 0;

QY 1 GGCAGACCGCCACCGCCGCGGTCACAAAGCGCCGACACCTGCGG 59
DB 131 GGCAGACCGCGGTCGCTGATCGCGGCCCAACCGACCCGCCGCGG 73

RESULT 5
US-08-956-171E-3693/C
Sequence 3693, Application US/08956171E
Patent No. 6593114
GENERAL INFORMATION:
APPLICANT: Charles Kunesh
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSER: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 3693:
SEQUENCE CHARACTERISTICS:
LENGTH: 425 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3693:
US-08-956-171E-3693

Query Match
Best Local Similarity 38.3%; Score 23; DB 3; Length 425;
Matches 35; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 6 CACCGACCGCCGCGGTCACAAAGCGCCGACACCTGCGGCA 60
DB 382 CCCAGACCGCCGCGGTCACAAAGCGCCGAGAAACACACCGCGCA 328

RESULT 6
US-08-781-986A-3693/C
Sequence 3693, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:
APPLICANT: Charles Kunesh
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:

ADDRESS: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 3693:
SEQUENCE CHARACTERISTICS:
LENGTH: 425 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-3693

Query Match 38.0%; Score 22.8; DB 3; Length 425;
Best Local Similarity 63.1%; Pred. No. 1.8e+02;
Matches 35; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 6 CACCGACCGCCGCGGTCACAGCGCGCCAGACACTGACCTGCGCC 60
Db 382 CCNAACACCGACCGACCAAGTACCAAGCGCGGAAACACCAACCGCCA 328

RESULT 7
US-09-370-838-135/c
Sequence 135, Application US/09370838
Patent No. 6444425
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Lodes, Michael J.
APPLICANT: Mohamath, Roadoh
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
FILE REFERENCE: 210121.475C1
CURRENT APPLICATION NUMBER: US/09/370,838
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/285,323
EARLIER FILING DATE: 1999-04-02
NUMBER OF SEQ ID NOS: 289
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 135
LENGTH: 355
TYPE: DNA
ORGANISM: Homo sapien
US-09-370-838-135

Query Match 38.0%; Score 22.8; DB 3; Length 355;
Best Local Similarity 62.1%; Pred. No. 1.8e+02;
Matches 36; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 2 GCAGACCGGACCGCCGCGGTCACAGCGCGCCAGACACTGACCTGCGCC 59
Db 121 GCAGGCGCGGACCGCTTTACGCTGCTTCACTGCGCGGAAACAGACCGCGGCC 64

RESULT 8
US-09-854-133-135/c
Sequence 135, Application US/09854133
Patent No. 6759508
GENERAL INFORMATION:
APPLICANT: Lodes, Michael J.
APPLICANT: Mohamath, Roadoh
APPLICANT: Henderson, Robert A.
APPLICANT: Benson, Darin R.
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
FILE REFERENCE: 210121.475C10
CURRENT APPLICATION NUMBER: US/09/854,133
CURRENT FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 735
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 135
LENGTH: 355
TYPE: DNA
ORGANISM: Homo sapien
US-09-854-133-135

Query Match 38.0%; Score 22.8; DB 3; Length 355;
Best Local Similarity 62.1%; Pred. No. 1.8e+02;
Matches 36; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Qy 2 GCAGACCGGACCGCCGCGGTCACAGCGCGCCAGACACTGACCTGCGCC 59
Db 121 GCAGGCGCGGACCGCTTTACGCTGCTTCACTGCGCGGAAACAGACCGCGGCC 64

RESULT 9
US-09-621-976-8724/c
Sequence 8724, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dunas Milne Edwards, J.B.
APPLICANT: Ubert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 8724
LENGTH: 342
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 284
OTHER INFORMATION: n=a, g, c or t
US-09-621-976-8724

Query Match 37.3%; Score 22.4; DB 3; Length 342;
Best Local Similarity 60.3%; Pred. No. 2.4e+02;
Matches 35; Conservative 1; Mismatches 22; Indels 0; Gaps 0;

Qy 1 GCGAGACCGGACCGCCGCGGTCACAGCGCGCCAGACACTGACCTGCGCC 58
Db 207 GGGYKCCCGGAGCCCGCCGCGGAGGCGCCGAGACCCACAGACTCTGCTGAGCC 150

RESULT 10
US-09-902-540-2937/c
Sequence 2937, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.

APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 2937
LENGTH: 399
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-2937

Query Match 37.3%; Score 22.4; DB 3; Length 399;
Best Local Similarity 66.7%; Pred. No. 2.5e+02;
Matches 32; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 10 GCACGCCGCCGACACCGGGGTACAGCGCGCCAGACACTGACCTGCGC 57
DB 196 GCAGCGCCCGACAGACCGCGCTCGAGCGCCAGCAAGCCTGCGCCGCG 149

RESULT 11
US-07-744-282C-30/C
Sequence 30, Application US/07744282C
Patent No. 5521300
GENERAL INFORMATION:
APPLICANT: Shah, Jyotsna S.
APPLICANT: Nietupski, Raymond M.
APPLICANT: Liu, Jing
TITLE OF INVENTION: Oligonucleotides Complementary to
NUMBER OF INVENTION: Mycobacterial Nucleic Acids
NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
ADDRESSER: Kevin W. Farrell, P.C.
STREET: P.O. Box 999
CITY: York Harbor
STATE: ME
COUNTRY: USA
ZIP: 03911
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/744,282C
FILING DATE: August 13, 1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kevin M. Farrell
REGISTRATION NUMBER: 35,505
REFERENCE/DOCKET NUMBER: GTR90-05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (207) 363-0558
TELEFAX: (207) 363-0528
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: RNA (genomic)
US-07-744-282C-30

Query Match 37.0%; Score 22.2; DB 2; Length 81;
Best Local Similarity 61.0%; Pred. No. 2.5e+02;
Matches 36; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 1 GGCAGACCGCACCGCCGACACAGCGGGTCAACAAGCGCCGACACTGACCTGCGCC 59
DB 1 GGCAGACCGCACCGCCGACACAGCGGGTCAACAAGCGCGCCGACACTGACCTGCGCC 59

DB 81 GACAGCATGACCACTGCTACACATGCTACAGGAAGCGCTCTCTTACAGCGCTC 23

RESULT 12
PCT-US92-06821A-36/C
Sequence 36, Application PC/TUS9206821A
GENERAL INFORMATION:
APPLICANT: Shah, Jyotsna S.
APPLICANT: Nietupski, Raymond M.
APPLICANT: Liu, Jing
TITLE OF INVENTION: Oligonucleotides Complementary to
NUMBER OF SEQUENCES: 133
CORRESPONDENCE ADDRESS:
ADDRESSER: Amoco Corporation
STREET: 200 East Randolph Drive, P.O. Box 87703
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60680
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/06821A
PRIOR APPLICATION NUMBER: US 07/744,282
FILING DATE: 13-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Galloway, Norval B.
REGISTRATION NUMBER: 33,595
REFERENCE/DOCKET NUMBER: CN 5851
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-856-7180
TELEFAX: 312-856-4972
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
PCT-US92-06821A-36

Query Match 37.0%; Score 22.2; DB 6; Length 81;
Best Local Similarity 61.0%; Pred. No. 2.5e+02;
Matches 36; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 1 GGCAGACCGCACCGCCGACACAGCGGGTCAACAAGCGCCGACACTGACCTGCGCC 59
DB 81 GACAGCATGACCACTGCTACACATGCTACAGGAAGCGCTCTCTTACAGCGCTC 23

RESULT 13
US-09-902-540-6202/C
Sequence 6202, Application US/09902540
Patent No. 6833447
GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15849)B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 6202

LENGTH: 333
TYPE: DNA
ORGANISM: Myxococcus xanthus
US-09-902-540-6202

Query Match 37.0%; Score 22.2; DB 3; Length 333;
Best Local Similarity 61.0%; Pred. No. 2.8e+02;
Matches 36; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 1 GGAGAGACCCGACCGGCGGTACAGCGCGGACACACTCGACTGGCGC 59
DB 254 GTCCGAGCTCGGTCCCGCTTCTGGGCGCAGCAGCGCGCGCACCGCGCGC 196

RESULT 14

US-08-956-171E-4775
Sequence 4775, Application US/08956171E
Patent No. 6593114
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
Gil H. Choi
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 4775:
SEQUENCE CHARACTERISTICS:
LENGTH: 124 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 4775:
US-08-956-171E-4775

Query Match 36.3%; Score 21.8; DB 3; Length 124;
Best Local Similarity 64.0%; Pred. No. 3.5e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 11 CACCGCCGACACGGGCTCACAGCGCGCGACACACTCGACTGGCGCA 60
DB 66 CACCGCCGACACCGAGAGTGCAGGTGAGNCAGAACTCCACACCGCCA 115

RESULT 15
US-08-781-986A-4775
Sequence 4775, Application US/08781986A
Patent No. 6737248
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248PP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 4775:
SEQUENCE CHARACTERISTICS:
LENGTH: 124 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-4775

Query Match 36.3%; Score 21.8; DB 3; Length 124;
Best Local Similarity 64.0%; Pred. No. 3.5e+02;
Matches 32; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 11 CACCGCCGACACGGGCTCACAGCGCGCGACACACTCGACTGGCGCA 60
DB 66 CACCGCCGACACCGAGAGTGCAGGTGAGNCAGAACTCCACACCGCCA 115

Search completed: March 27, 2006, 16:33:32
Job time: 56.5 secs

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GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
744.399 Million cell updates/sec

Title: US-10-057-136A-7

Perfect score: 60
Sequence: 1 GGTTTCACGCGCCCCCTGCG.....CGGATACAGACCGCCCTT 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues

Total number of hits satisfying chosen parameters: 14431810

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA New:
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2: /SID5/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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11: /SID5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
12: /SID5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
13: /SID5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
14: /SID5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
15: /SID5/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	68.3	468	US-10-401-386B-43	Sequence 43, Appl
2	39.8	66.3	328	US-10-517-696-41	Sequence 41, Appl
3	23.4	39.0	201	US-11-124-367A-16232	Sequence 16232, A
4	23.4	39.0	201	US-11-124-367A-16278	Sequence 16278, A
5	23.4	39.0	201	US-11-124-367A-16279	Sequence 16279, A
6	23.2	38.7	457	US-09-925-065A-387794	Sequence 387794, A
7	23.2	38.7	464	US-10-301-480-456277	Sequence 456277, A
8	23.2	38.7	464	US-10-301-480-1069666	Sequence 1069666, A
9	21.6	36.0	494	US-09-925-065A-263634	Sequence 263634, A
10	21.4	35.7	380	US-09-925-065A-704509	Sequence 704509, A
11	21.4	35.3	201	US-10-995-561-11318	Sequence 11318, A
12	21.2	35.3	201	US-10-995-561-59225	Sequence 59225, A
13	21.2	35.3	201	US-10-995-561-82552	Sequence 82552, A
14	21.2	35.3	431	US-09-925-065A-587132	Sequence 587132, A
15	21.2	35.0	412	US-09-925-065A-503539	Sequence 503539, A
16	21	35.0	459	US-10-467-657-1643	Sequence 1643, Ap
17	20.8	34.7	36	US-10-401-386B-59	Sequence 59, Appl
18	20.8	34.7	301	US-09-925-065A-471600	Sequence 471600, A

19	20.8	34.7	425	6	US-09-925-065A-125442	Sequence 125442, A
20	20.8	34.7	439	6	US-09-925-065A-586084	Sequence 586084, A
21	20.8	34.7	439	6	US-09-925-065A-586085	Sequence 586085, A
22	20.8	34.7	439	6	US-09-925-065A-586086	Sequence 586086, A
23	20.8	34.7	446	6	US-09-925-065A-472121	Sequence 472121, A
24	20.8	34.7	446	6	US-09-925-065A-472122	Sequence 472122, A
25	20.8	34.7	446	6	US-09-925-065A-472123	Sequence 472123, A
26	20.6	34.3	74	11	US-11-051-720-870	Sequence 870, App
27	20.6	34.3	412	6	US-10-995-561-50120	Sequence 50120, A
28	20.6	34.3	421	6	US-09-925-065A-503540	Sequence 503540, A
29	20.4	34.0	385	9	US-10-301-480-6027	Sequence 6027, Ap
30	20.4	34.0	385	10	US-10-301-480-619436	Sequence 619436, A
31	20.4	34.0	399	6	US-09-925-065A-652630	Sequence 652630, A
32	20.4	34.0	414	9	US-10-301-480-82925	Sequence 82925, A
33	20.4	34.0	414	10	US-10-301-480-696334	Sequence 696334, A
34	20.4	34.0	439	6	US-09-925-065A-586083	Sequence 586083, A
35	20.4	34.0	491	6	US-09-925-065A-526514	Sequence 526514, A
36	20.2	33.7	462	6	US-09-925-065A-516100	Sequence 516100, A
37	20.2	33.7	462	6	US-09-925-065A-516101	Sequence 516101, A
38	20.2	33.7	462	6	US-09-925-065A-516102	Sequence 516102, A
39	20.2	33.7	462	6	US-09-925-065A-516103	Sequence 516103, A
40	20	33.3	201	8	US-10-995-561-57292	Sequence 57292, A
41	20	33.3	201	8	US-10-995-561-82472	Sequence 82472, A
42	20	33.3	201	14	US-11-124-367A-3814	Sequence 3814, Ap
43	20	33.3	201	14	US-11-124-367A-15894	Sequence 15894, A
44	20	33.3	201	14	US-11-124-367A-16196	Sequence 16196, A
45	20	33.3	387	6	US-09-925-065A-651162	Sequence 651162, A

ALIGNMENTS

RESULT 1
US-10-401-386B-43
Sequence 43, Application US/10401386B
Publication No. US20050261213A1
GENERAL INFORMATION:
APPLICANT: Patricia Branigan
APPLICANT: Theresa J Goletz
APPLICANT: David M Knight
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallion
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: for Use
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43

Query Match 68.3%; Score 41; DB 8; Length 468;
Best Local Similarity 82.5%; Pred. No. 7.4e-05;

Matches 47; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 GGTTTCACGCGCCCCCTGCTCAAGTGAATCCGCCCGGATACAGACCGGCC 57
Db 412 GGTTTCACGCGCCCCCGGATACAGTGTCACTGCGCCCGGACACAGCGCGGCC 468

RESULT 2

US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and PR
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41

Query Match 66.3%; Score 39.8; DB 9; Length 328;
Best Local Similarity 79.7%; Pred. No. 0.00019;
Matches 47; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 GGTTGACGAGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCC 59
DB 95 GGCTTCACCGCCGCGCCGACGCCACGATGTCTCCGCGCCCGACACAGCGCCGCC 153

RESULT 3
US-11-124-367A-16232
; Sequence 16232, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16232
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-16232

Query Match 39.0%; Score 23.4; DB 14; Length 201;
Best Local Similarity 63.2%; Pred. No. 88;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 4 TCACGCGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCCCT 60
DB 51 TCACGCGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCCCT 107

RESULT 4
US-11-124-367A-16278
; Sequence 16278, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:

; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16278
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-16278

Query Match 39.0%; Score 23.4; DB 14; Length 201;
Best Local Similarity 63.2%; Pred. No. 88;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 4 TCACGCGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCCCT 60
DB 40 TCACGCGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCCCT 96

RESULT 5
US-11-124-367A-16279
; Sequence 16279, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16279
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-16279

Query Match 39.0%; Score 23.4; DB 14; Length 201;
Best Local Similarity 63.2%; Pred. No. 88;
Matches 36; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 4 TCACGCGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCCCT 60
DB 41 TCACGCGCCCGCCCTGCTCAGGATGTAATCCGCGCCGATACCAAGCCGCCCCCT 97

RESULT 6
US-09-925-065A-387794/c
; Sequence 387794, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome

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; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 387794
; LENGTH: 457
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-387794
```

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Query Match      38.7%; Score 23.2; DB 6; Length 457;
Best Local Similarity 70.5%; Pred. No. 1e+02;
Matches 31; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
```

```
Qy      7  ACGGCCCCCTGCTCAGGTGTAACTCCGCCCGGATACCG 50
Db      394 AGGGGCGAAGTCCCACTATAGCATCCACCCCTCATACCG 351
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```
RESULT 7
US-10-301-480-456277/c
; Sequence 456277, Application US/10301480
; Publication No. US20060057564A1
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; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 456277
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-301-480-456277
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Query Match      38.7%; Score 23.2; DB 10; Length 464;
Best Local Similarity 70.5%; Pred. No. 1e+02;
Matches 31; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
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Qy      7  ACGGCCCCCTGCTCAGGTGTAACTCCGCCCGGATACCG 50
Db      401 AGGGGCGAAGTCCCACTATAGCATCCACCCCTCATACCG 358
```

```
RESULT 8
US-10-301-480-1069686/c
; Sequence 1069686, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
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; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1069686
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-301-480-1069686
```

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Query Match      38.7%; Score 23.2; DB 10; Length 464;
Best Local Similarity 70.5%; Pred. No. 1e+02;
Matches 31; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
```

```
Qy      7  ACGGCCCCCTGCTCAGGTGTAACTCCGCCCGGATACCG 50
Db      401 AGGGGCGAAGTCCCACTATAGCATCCACCCCTCATACCG 358
```

```
RESULT 9
US-09-925-065A-263634
; Sequence 263634, Application US/09925065A
; Publication No. US20040181048A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 263634
; LENGTH: 494
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-263634
```

```
Query Match      36.0%; Score 21.6; DB 6; Length 494;
Best Local Similarity 60.0%; Pred. No. 3.5e+02;
Matches 36; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
```

```
Qy      1  GGTTCAGCGCCCCCTGCTCAGGTGTAACTCCGCCCGGATACCGAGCGGCCCT 60
Db      183 GGTGTCCTGGGCCCGGAGGCGGAGCTCAGAACCAACCCCTGACACCGCCCTCCCT 242
```

```
RESULT 10
US-09-925-065A-704509
; Sequence 704509, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
```

;; PRIOR FILING DATE: 2000-11-20
;; PRIOR APPLICATION NUMBER: US 60/250,092
;; PRIOR FILING DATE: 2000-11-30
;; PRIOR APPLICATION NUMBER: US 60/261,766
;; PRIOR FILING DATE: 2001-01-16
;; PRIOR APPLICATION NUMBER: US 60/289,846
;; PRIOR FILING DATE: 2001-05-09
;; NUMBER OF SEQ ID NOS: 957086
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO: 704509
;; LENGTH: 380
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-925-065A-704509

Query Match 35.7%; Score 21.4; DB 6; Length 380;
Best Local Similarity 71.8%; Pred. No. 4.2e+02;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 11 CCCCCCTGCTCAGGCTGTAACATCCGCCCGGATACCA 49
DB 10 CCCCCCTGCTCAGCTATACATCCTTCCAGTGACA 48

RESULT 11
US-10-995-561-11318
; Sequence 11318; Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 11318
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-11318

Query Match 35.3%; Score 21.2; DB 8; Length 201;
Best Local Similarity 60.3%; Pred. No. 5e+02;
Matches 35; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 2 GTTCGACGGCCCCCTGCTCAGGCTGTAACATCCGCCCGGATACCAAGCCGCCCC 59
DB 9 GCTCCTCCGCTCCTCTGCGGGGTGTGAAACAGCCCGGAGTAGAGCCGCTC 66

RESULT 12
US-10-995-561-59225
; Sequence 59225; Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 59225
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-59225

Query Match 35.3%; Score 21.2; DB 8; Length 201;
Best Local Similarity 60.3%; Pred. No. 5e+02;
Matches 35; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 2 GTTCGACGGCCCCCTGCTCAGGCTGTAACATCCGCCCGGATACCAAGCCGCCCC 59
DB 9 GCTCCTCCGCTCCTCTGCGGGGTGTGAAACAGCCCGGAGTAGAGCCGCTC 66

RESULT 13
US-10-995-561-82552/c
; Sequence 82552; Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 82552
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-82552

Query Match 35.3%; Score 21.2; DB 8; Length 201;
Best Local Similarity 61.5%; Pred. No. 5e+02;
Matches 32; Conservative 1; Mismatches 19; Indels 0; Gaps 0;

QY 9 GGGCCCCCTGCTCAGGCTGTAACATCCGCCCGGATACCAAGCCGCCCT 60
DB 151 GGCTTAGCCACTCAAGTGGCCCATCAGCCCTAGATGTTGACCAAGCTCT 100

RESULT 14
US-09-925-065A-587132/c
; Sequence 587132; Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 587132
; LENGTH: 431
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-587132

Query Match 35.3%; Score 21.2; DB 6; Length 431;
Best Local Similarity 60.3%; Pred. No. 4.9e+02;
Matches 35; Conservative 0; Mismatches 23; Indels 0; Gaps 0;

QY 2 GTTCGACGGCCCCCTGCTCAGGCTGTAACATCCGCCCGGATACCAAGCCGCCCC 59

Db 348 GTTAGCAGCCCTGCTGTGCTCCAGTGCACCTCAGCCTGAGCTGCTGCTGAGAC 291

RESULT 15

US-09-925-065A-503539
; Sequence 503539, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OR INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 503539
; LENGTH: 412
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-503539

Query Match 35.0%; Score 21; DB 6; Length 412;
Best Local Similarity 66.7%; Pred. No. 5.7e+02;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
Qy 11 CCCCCCTGCTCAAGTGTAAATCCGCCCGGATACAGACCG 55
Db 225 CCAGCCCTGACAGAGGTGTGACTTCCCATCTGCTTACAGACG 269

Search completed: March 27, 2006, 14:47:08
Job time : 322.3 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136A-7

Perfect score: 1 GGTTGACGCGCCCCCTGTC.....CGATACGAGCCGCCCT 60

Sequence: 1 GGTTGACGCGCCCCCTGTC.....CGATACGAGCCGCCCT 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues 14089978

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	60	US-10-057-136-7	Sequence 7, Appl1
2	43	71.7	60	US-10-057-136-2	Sequence 2, Appl1
3	39.8	66.3	78	US-10-057-136-13	Sequence 13, Appl1
4	38.2	63.7	120	US-10-635-211-3	Sequence 3, Appl1
5	38.2	62.0	162	US-10-635-211-8	Sequence 8, Appl1
6	37.2	60.3	164	US-09-864-864-258	Sequence 258, Appl1
7	36.2	60.3	60	US-10-057-136-14	Sequence 14, Appl1
8	35	58.3	60	US-10-057-136-10	Sequence 10, Appl1
9	33.4	55.7	60	US-10-057-136-11	Sequence 11, Appl1
10	33.2	55.3	60	US-10-057-136-12	Sequence 12, Appl1
11	30.2	50.3	60	US-10-057-136-5	Sequence 5, Appl1
12	30.2	50.3	60	US-10-057-136-6	Sequence 6, Appl1
13	29	48.3	60	US-10-057-136-9	Sequence 9, Appl1
14	28.6	47.7	93	US-10-471-607-4	Sequence 4, Appl1
15	28.6	47.7	157	US-10-471-607-6	Sequence 6, Appl1
16	27.6	46.0	72	US-10-296-734-1165	Sequence 1165, Ap
17	27.4	45.7	60	US-10-057-136-8	Sequence 8, Appl1
18	25.4	42.3	157	US-10-471-607-9	Sequence 9, Appl1
19	25.4	42.3	364	US-09-918-995-29996	Sequence 29996, A
20	25	41.7	440	US-09-918-995-32971	Sequence 32971, A
21	24.4	40.7	60	US-09-908-975-10883	Sequence 10883, A
22	23.8	39.7	156	US-10-471-607-5	Sequence 5, Appl1

24	23.8	39.7	262	3	US-09-764-853-282	Sequence 282, App
25	23.6	39.3	462	3	US-09-861-101-4	Sequence 4, Appl1
26	23.4	39.0	93	7	US-10-471-607-3	Sequence 3, Appl1
27	23.4	39.0	280	8	US-10-425-115-79056	Sequence 79056, A
28	23.4	39.0	435	7	US-10-425-114-997	Sequence 997, App
29	23.4	39.0	449	7	US-10-424-599-20073	Sequence 20073, A
30	23.4	39.0	456	7	US-10-260-238-5665	Sequence 5665, Ap
31	23.4	39.0	477	8	US-10-425-115-41297	Sequence 41297, A
32	23.4	39.0	500	6	US-10-029-386-7275	Sequence 7275, A
33	23.2	38.7	324	7	US-10-282-122A-13296	Sequence 13296, A
34	23.2	38.7	419	8	US-10-425-115-14499	Sequence 14499, A
35	23.2	38.7	457	4	US-09-925-065A-387794	Sequence 387794, A
36	23.2	38.7	470	8	US-10-425-115-74354	Sequence 74354, A
37	22.8	38.0	351	7	US-10-437-963-87599	Sequence 87599, A
38	22.8	38.0	462	3	US-09-918-995-831	Sequence 831, App
39	22.6	37.7	103	7	US-10-437-963-62288	Sequence 62288, A
40	22.6	37.7	207	7	US-10-437-963-8759	Sequence 8759, Ap
41	22.6	37.7	328	7	US-10-437-963-38053	Sequence 38053, A
42	22.6	37.7	402	7	US-10-437-963-53564	Sequence 53564, A
43	22.6	37.7	456	8	US-10-425-115-149340	Sequence 149340, A
44	22.4	37.3	161	6	US-10-029-386-19586	Sequence 19586, A
45	22.4	37.3	341	8	US-10-425-115-66435	Sequence 66435, A

ALIGNMENTS

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RESULT 1
US-10-057-136-7
Sequence 7, Application US/10057136
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KURE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-7
Query Match          100.0%  Score 60;  DB 5;  Length 60;
Best Local Similarity 100.0%  Pred No. 1.9e-12;
Matches 60;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
QY      1  GGTTGACGCGCCCCCTGCTCAGGTTGTAACATCGCCCGGATACGAGCCGCCCT 60
Db      1  GGTTGACGCGCCCCCTGCTCAGGTTGTAACATCGCCCGGATACGAGCCGCCCT 60
RESULT 2
US-10-057-136-2
Sequence 2, Application US/10057136
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KURE, DONALD
```

APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-2

Query Match 71.7%; Score 43; DB 5; Length 60;
Best Local Similarity 83.1%; Pred. No. 3.7e-06;
Matches 49; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 GGTTCACGCGCCCCCTGCTCAAGGTGTAACATCCGCCCCGATACAGACCGGCCCC 59
DB 1 GGCTCCACGCGCCCCCGACGCGGTGTCACTCGGCCCCGAGACACAGCGCGGCCCC 59

RESULT 3
US-10-057-136-13
Sequence 13, Application US/10057136
Publication No. US2003021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 13
LENGTH: 78
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 66.3%; Score 39.8; DB 5; Length 78;
Best Local Similarity 79.7%; Pred. No. 5.5e-05;
Matches 47; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 GGTTCACGCGCCCCCTGCTCAAGGTGTAACATCCGCCCCGATACAGACCGGCCCC 59
DB 1 GGCTCCACGCGCCCCCGACGCGGTGTCACTCGGCCCCGAGACACAGCGCGGCCCC 59

RESULT 4
US-10-635-211-3
Sequence 3, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:

APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
FILE REFERENCE: FP03012US
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 120
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(120)
US-10-635-211-3

Query Match 63.7%; Score 38.2; DB 8; Length 120;
Best Local Similarity 78.0%; Pred. No. 0.00021;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GGTTCACGCGCCCCCTGCTCAAGGTGTAACATCCGCCCCGATACAGACCGGCCCC 59
DB 1 GGTTTACCGCTCCGCGGCTCAAGGTGTACTCTGTGTCGAGACACCGGTCCGGCTCC 59

RESULT 5
US-10-635-211-8/c
Sequence 8, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
FILE REFERENCE: FP03012US
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 162
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-635-211-8

Query Match 63.7%; Score 38.2; DB 8; Length 162;
Best Local Similarity 78.0%; Pred. No. 0.00021;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GGTTCACGCGCCCCCTGCTCAAGGTGTAACATCCGCCCCGATACAGACCGGCCCC 59
DB 138 GGTTTACCGCTCCGCGGCTCAAGGTGTACTCTGTGTCGAGACACCGGTCCGGCTCC 80

RESULT 6
US-09-864-258
Sequence 258, Application US/09864864
Patent No. US20020102679A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, David C.
APPLICANT: Secrist, Heather
APPLICANT: Lodes, Michael J.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steve P.
APPLICANT: Mannion, Jane
APPLICANT: Benson, Darin R.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY


```

; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-4

```

```

Query Match      55.3%; Score 33.2; DB 5; Length 60;
Best Local Similarity 75.9%; Pred. No. 0.015;
Matches 41; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

```

Qy      7 ACAGCCCCCTCTCTCAGGTGTAACATCCGCCGAGATACAGACCGGCCCT 60
Db      7 ACTGCACACCGCGCATGGCGTAACTACATCGACACTGATACAGACCTGCACCT 60

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RESULT 11
US-10-057-136-12
; Sequence 12, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-12

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Query Match      54.7%; Score 32.8; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 0.022;
Matches 43; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

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Qy      1 GGTTCAGAGCCCCCTCTCTCAGGTGTAACATCCGCCGAGATACAGACCGGCCCT 60
Db      1 GGTTCAGAGCCCCCTCTCTCAGGTGTAACATCCGCCGAGATACAGACCGGCCCT 60

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RESULT 12
US-10-057-136-5
; Sequence 5, Application US/10057136
; Publication No. US20030021770A1

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; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-5

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Query Match      50.3%; Score 30.2; DB 5; Length 60;
Best Local Similarity 69.5%; Pred. No. 0.2;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

```

```

Qy      1 GGTTCAGAGCCCCCTCTCTCAGGTGTAACATCCGCCGAGATACAGACCGGCCCT 59
Db      1 GGATCCACCGCGCGCTGCGGACGAGTGAAGTCGGCGGCCCGACACCGCGCCCTCC 59

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RESULT 13
US-10-057-136-6
; Sequence 6, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-6

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```

Query Match      50.3%; Score 30.2; DB 5; Length 60;
Best Local Similarity 69.5%; Pred. No. 0.2;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

```

```

Qy      1 GGTTCAGAGCCCCCTCTCTCAGGTGTAACATCCGCCGAGATACAGACCGGCCCT 59
Db      1 GGATCCACCGCGCGCTGCGGACGAGTGAAGTCGGCGGCCCGACACCGCGCCCTCC 59

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RESULT 14

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US-10-057-136-9
; Sequence 9, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHIOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 9
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-9

Query Match 48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 0.56;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 7 ACCGCCCCCTGTCACGCTGTACATCGCCCCGATACCAACCGCCCC 59
DB 7 ACCGCTCACCCTGCACAGGAGTCAAGCGCGCAGACACTGCACCTGC 59

RESULT 15
US-10-471-607-4/C
; Sequence 4, Application US/10471607
; Publication No. US20040115740A1
; GENERAL INFORMATION:
; APPLICANT: The Victoria University of Manchester
; APPLICANT: Benson, Roderick
; TITLE OF INVENTION: Intracellular analysis.
; FILE REFERENCE: P08857EWO
; CURRENT APPLICATION NUMBER: US/10/471,607
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: GB 0108165.2
; PRIOR FILING DATE: 3001-03-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentln version 3.1
; SEQ ID NO 4
; LENGTH: 93
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Artificial epitope construct
US-10-471-607-4

Query Match 47.7%; Score 28.6; DB 7; Length 93;
Best Local Similarity 72.5%; Pred. No. 0.77; 14; Indels 0; Gaps 0;
Matches 37; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 GGTTCAGCGGCCCCCTGCTCAGGTGTACATCCCGCCCGATACGAGA 51
DB 57 GGCTCAGACAGCCCCCGACGCTCATGTGTCACTCAGCTCCCGAGTGA 7

Search completed: March 27, 2006, 17:07:46
Job time : 372.4 secs

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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 seconds
(without alignments)
1921.688 Million cell updates/sec

Title: US-10-057-136A-7

Perfect score: 60
Sequence: 1 GGTTGACGCGCCCCCTGTC.....CGGATACGACGCGCCCT 60

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents_NA:*
1: /cgn2_6/ptodata/1/ina/1 COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5 COMB.seq:*
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4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/H COMB.seq:*
6: /cgn2_6/ptodata/1/ina/PTUS COMB.seq:*
7: /cgn2_6/ptodata/1/ina/PP COMB.seq:*
8: /cgn2_6/ptodata/1/ina/RE COMB.seq:*
9: /cgn2_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	38	63.0	78	3	US-09-475-947A-246	Sequence 246, App
2	27	45.0	78	3	US-09-304-967-98	Sequence 98, App1
3	25.6	42.7	392	3	US-09-513-999C-2024	Sequence 2024, Ap
4	25.2	42.0	83	3	US-09-304-967-75	Sequence 75, App1
5	25	41.7	68	3	US-09-304-967-53	Sequence 53, App1
6	24.2	40.3	68	3	US-09-304-967-49	Sequence 49, App1
7	24.2	40.3	83	3	US-09-304-967-69	Sequence 69, App1
8	24.2	40.3	83	3	US-09-304-967-71	Sequence 71, App1
9	24	40.0	78	3	US-09-304-967-96	Sequence 96, App1
10	23.4	39.0	68	3	US-09-304-967-57	Sequence 57, App1
11	23.4	39.0	78	3	US-09-304-967-92	Sequence 92, App1
12	23.2	38.7	48	3	US-09-304-967-47	Sequence 47, App1
13	23.2	38.7	48	3	US-09-304-967-67	Sequence 67, App1
14	23.2	38.7	48	3	US-09-304-967-90	Sequence 90, App1
15	23.2	38.7	68	3	US-09-304-967-51	Sequence 51, App1
16	23.2	38.7	68	3	US-09-304-967-55	Sequence 55, App1
17	23.2	38.7	78	3	US-09-304-967-94	Sequence 94, App1
18	23.2	38.7	78	3	US-09-304-967-100	Sequence 100, App
19	23.2	38.7	78	3	US-09-304-967-102	Sequence 102, App
20	23.2	38.7	83	3	US-09-304-967-73	Sequence 73, App1
21	23.2	38.7	83	3	US-09-304-967-77	Sequence 77, App1
22	23.2	38.7	83	3	US-09-304-967-79	Sequence 79, App1
23	22.4	37.3	387	3	US-09-902-540-8198	Sequence 8198, Ap
24	21.8	36.3	143	3	US-09-513-999C-10197	Sequence 10197, A

C	25	21.8	36.3	459	3	US-09-358-580-7	Sequence 7, App1
C	26	21.8	36.3	459	3	US-09-358-580-9	Sequence 9, App1
C	27	21.2	35.3	468	3	US-09-902-540-2835	Sequence 2835, Ap
C	28	21	35.0	272	3	US-09-621-976-110063	Sequence 10063, A
C	29	20.8	34.7	248	3	US-09-117-121-17	Sequence 17, App1
C	30	20.8	34.7	262	3	US-09-117-121-21	Sequence 21, App1
C	31	20.8	34.7	387	3	US-09-902-540-6863	Sequence 6863, Ap
C	32	20.8	34.7	395	3	US-09-117-121-40	Sequence 40, App1
C	33	20.6	34.3	346	3	US-09-270-767-8493	Sequence 8493, Ap
C	34	20.6	34.3	346	3	US-09-270-767-23775	Sequence 23775, A
C	35	20.6	34.3	406	3	US-08-928-799A-1	Sequence 1, App1
C	36	20.6	34.3	420	2	US-08-470-179-148	Sequence 148, App
C	37	20.4	34.0	380	3	US-09-270-767-27193	Sequence 27193, A
C	38	20.2	33.7	169	3	US-09-270-767-2836	Sequence 2836, Ap
C	39	20.2	33.7	169	3	US-09-270-767-18118	Sequence 18118, A
C	40	20.2	33.7	302	3	US-09-313-294A-3832	Sequence 3832, Ap
C	41	20.2	33.7	381	3	US-09-489-039A-1412	Sequence 1412, Ap
C	42	20.2	33.7	469	3	US-09-621-976-17994	Sequence 17994, A
C	43	20	33.3	309	3	US-09-902-540-8227	Sequence 8227, Ap
C	44	20	33.3	364	3	US-09-621-976-17202	Sequence 17202, A
C	45	20	33.3	419	3	US-09-513-999C-13350	Sequence 13350, A

ALIGNMENTS

RESULT 1
US-09-475-947A-246
Sequence 246, Application US/09475947A
Patent No. 6472154
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Wren, Jonathan D.
APPLICANT: Muna, John D.
TITLE OF INVENTION: Polymorphic Repeats in Human Genes
FILE REFERENCE: UTS0067
CURRENT APPLICATION NUMBER: US/09/475,947A
CURRENT FILING DATE: 1999-12-31
NUMBER OF SEQ ID NOS: 346
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 246
LENGTH: 60
TYPE: DNA
ORGANISM: human
US-09-475-947A-246

Query Match 63.3%; Score 38; DB 3; Length 60;
Best local Similarity 81.5%; Pred. No. 0.00039;
Matches 44; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 GGTTGACGCGCCCCCTGCTCAGGTGTACATCGCCCGGATACGACGCG 54
DB 7 GGTTGACGCGCCCCCGCCAGCCAGGTGTACCTCGCCCCGACACGCGCG 60

RESULT 2
US-09-304-967-98
Sequence 98, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
TITLE OF INVENTION: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304,967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471,048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858

;; PRIOR FILING DATE: 1996-03-12
;; PRIOR APPLICATION NUMBER: 08/137,032
;; PRIOR FILING DATE: 1993-03-18
;; PRIOR APPLICATION NUMBER: PCT/GB20/00589
;; PRIOR FILING DATE: 1992-04-02
;; NUMBER OF SEQ ID NOS: 123
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 98
;; LENGTH: 78
;; TYPE: DNA
;; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-98

Query Match 45.0%; Score 27; DB 3; Length 78;
Best Local Similarity 76.7%; Pred. No. 2.6;
Matches 33; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 18 TGCTCAAGGTATACATCCGCCCGATCCAGACCGGCCCT 60
DB 13 TGATCTGGGTACTTCTGCTCTGATAGACCTGCTCT 55

RESULT 3

US-09-513-999C-2024
; Sequence 2024, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 2024
; LENGTH: 392
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 115..390
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 65
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 326
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 71
; OTHER INFORMATION: Xaa=Ile or Asn or Ser or Thr
US-09-513-999C-2024

Query Match 42.7%; Score 25.6; DB 3; Length 392;
Best Local Similarity 69.4%; Pred. No. 9.7;
Matches 34; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 12 CCCCCCTGCTCAGGTGTATACATCCGCCCGATACGACCGGCCCT 60
DB 293 CCACCTTCTCATGAGACATGAGCCCGAGANCCAGCTCTGGCACT 341

RESULT 4
US-09-304-967-75
; Sequence 75, Application US/09304967
; Patent No. 6884623

;; GENERAL INFORMATION:
;; APPLICANT: Lomonosoff, George P.
;; APPLICANT: Johnson, John B.
;; APPLICANT: Bendig, Mary
;; APPLICANT: Jones, Tim
;; APPLICANT: Longstaff, Marian
;; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
;; FILE REFERENCE: DOW-04646
;; CURRENT APPLICATION NUMBER: US/09/304,967
;; CURRENT FILING DATE: 1999-05-05
;; PRIOR APPLICATION NUMBER: 08/471,048
;; PRIOR FILING DATE: 1995-06-06
;; PRIOR APPLICATION NUMBER: 08/612,858
;; PRIOR FILING DATE: 1996-03-12
;; PRIOR APPLICATION NUMBER: 08/137,032
;; PRIOR FILING DATE: 1993-03-18
;; PRIOR APPLICATION NUMBER: PCT/GB20/00589
;; PRIOR FILING DATE: 1992-04-02
;; NUMBER OF SEQ ID NOS: 123
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 75
;; LENGTH: 83
;; TYPE: DNA
;; ORGANISM: Lucerne transient streak virus
US-09-304-967-75

Query Match 42.0%; Score 25.2; DB 3; Length 83;
Best Local Similarity 78.9%; Pred. No. 11;
Matches 30; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 23 ACGGTATACATCCGCCCGATACGACCGGCCCT 60
DB 17 ACGGTACTTCTGCTCTGATAGACCTGCTCT 54

RESULT 5

US-09-304-967-53
; Sequence 53, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John B.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-53

Query Match 41.7%; Score 25; DB 3; Length 68;
Best Local Similarity 75.6%; Pred. No. 13;
Matches 31; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 20 CTAAGGTGTAATCCGCGGATACAGACCGGCCCT 60
Db 7 CTAAGGTGTAATCTGCTCTGATCTAGACTGCTCCT 47

RESULT 6
US-09-304-967-49
; Sequence 49, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-49

Query Match 40.3%; Score 24.2; DB 3; Length 68;
Best Local Similarity 78.4%; Pred. No. 24;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 24 CGGTGTAATCCGCGGATACAGACCGGCCCT 60
Db 5 CGGTGTAATCTGCTCTGATCTAGACTGCTCCT 41

RESULT 7
US-09-304-967-69
; Sequence 69, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 69

; LENGTH: 83
; TYPE: DNA
; ORGANISM: Lucerne transient streak virus
US-09-304-967-69

Query Match 40.3%; Score 24.2; DB 3; Length 83;
Best Local Similarity 78.4%; Pred. No. 24;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 24 CGGTGTAATCCGCGGATACAGACCGGCCCT 60
Db 9 CGGTGTAATCTGCTCTGATCTAGACTGCTCCT 45

RESULT 8
US-09-304-967-71
; Sequence 71, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 71
; LENGTH: 83
; TYPE: DNA
; ORGANISM: Lucerne transient streak virus
US-09-304-967-71

Query Match 40.3%; Score 24.2; DB 3; Length 83;
Best Local Similarity 78.4%; Pred. No. 24;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 24 CGGTGTAATCCGCGGATACAGACCGGCCCT 60
Db 12 CGGTGTAATCTGCTCTGATCTAGACTGCTCCT 48

RESULT 9
US-09-304-967-96
; Sequence 96, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12

;; PRIOR APPLICATION NUMBER: 08/137,032
;; PRIOR FILING DATE: 1993-03-18
;; PRIOR APPLICATION NUMBER: PCT/GB20/00589
;; PRIOR FILING DATE: 1992-04-02
;; NUMBER OF SEQ ID NOS: 123
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO: 96
;; LENGTH: 78
;; TYPE: DNA
;; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-96

Query Match 40.0%; Score 24; DB 3; Length 78;
Best Local Similarity 75.0%; Pred. No. 28;
Matches 30; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 21 TCACGGTGTATACCGCCCGGATACGACCGGCCCT 60
Db 13 TCATGCTTACTTCTGCTCTGATCTAGACCTGCTCT 52

RESULT 10
US-09-304-967-57
; Sequence 57, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 57
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-57

Query Match 39.0%; Score 23.4; DB 3; Length 68;
Best Local Similarity 73.2%; Pred. No. 45;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 20 CTCACGGTGTATACCGCCCGGATACGACCGGCCCT 60
Db 13 CTCGCTGTACTTCTGCTCTGATCTAGACCTGCTCT 53

RESULT 11
US-09-304-967-92
; Sequence 92, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian

;; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
;; FILE REFERENCE: DOM-04646
;; CURRENT APPLICATION NUMBER: US/09/304,967
;; PRIOR FILING DATE: 1999-05-05
;; PRIOR APPLICATION NUMBER: 08/471,048
;; PRIOR FILING DATE: 1995-06-06
;; PRIOR APPLICATION NUMBER: 08/612,858
;; PRIOR FILING DATE: 1996-03-12
;; PRIOR APPLICATION NUMBER: 08/137,032
;; PRIOR FILING DATE: 1993-03-18
;; PRIOR APPLICATION NUMBER: PCT/GB20/00589
;; PRIOR FILING DATE: 1992-04-02
;; NUMBER OF SEQ ID NOS: 123
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO: 92
;; LENGTH: 78
;; TYPE: DNA
;; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-92

Query Match 39.0%; Score 23.4; DB 3; Length 78;
Best Local Similarity 73.2%; Pred. No. 46;
Matches 30; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 20 CTCACGGTGTATACCGCCCGGATACGACCGGCCCT 60
Db 6 CTCGAGTGTACTTCTGCTCTGATCTAGACCTGCTCT 46

RESULT 12
US-09-304-967-47
; Sequence 47, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 47
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-47

Query Match 38.7%; Score 23.2; DB 3; Length 48;
Best Local Similarity 77.8%; Pred. No. 51;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 25 GGTGTATACCGCCCGGATACGACCGGCCCT 60
Db 1 GGTGTACTTCTGCTCTGATCTAGACCTGCTCT 36

RESULT 13
US-09-304-967-67
; Sequence 67, Application US/09304967


```
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-67
```

```
Query Match 38.7%; Score 23.2; DB 3; Length 48;
Best Local Similarity 77.8%; Pred. No. 51;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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Qy 25 GGTTACATCCGCCGATACCAAGACCGGCCCT 60
Db 1 GGTTACTTCTGCTCCTGATAGACTGCTCT 36
```

```
RESULT 14
US-09-304-967-90
; Sequence 90, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 90
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-90
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Query Match 38.7%; Score 23.2; DB 3; Length 48;
Best Local Similarity 77.8%; Pred. No. 51;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
Qy 25 GGTTACATCCGCCGATACCAAGACCGGCCCT 60
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Db 1 GGTTACTTCTGCTCCTGATAGACTGCTCT 36
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US-09-304-967-51
; Sequence 51, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-51
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Query Match 38.7%; Score 23.2; DB 3; Length 68;
Best Local Similarity 77.8%; Pred. No. 53;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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Qy 25 GGTTACATCCGCCGATACCAAGACCGGCCCT 60
Db 9 GGTTACTTCTGCTCCTGATAGACTGCTCT 44
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Search completed: March 27, 2006, 16:33:30
Job time : 56.5 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
744.399 Million cell updates/sec

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Perfect score: 60
Sequence: 1 GGCTCAACAGCTCTCCCGC.....CAGATACTCCGCGCTCCA 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues 14431810
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications NA New:
- 1: /SIDS5/ptodata/2/pubpna/US08_NEW_PUB.seq:*
 - 2: /SIDS5/ptodata/2/pubpna/US06_NEW_PUB.seq:*
 - 3: /SIDS5/ptodata/2/pubpna/US07_NEW_PUB.seq:*
 - 4: /SIDS5/ptodata/2/pubpna/PCR_NEW_PUB.seq:*
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 - 10: /SIDS5/ptodata/2/pubpna/US10_NEW_PUB.seq:*
 - 11: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
 - 12: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
 - 13: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
 - 14: /SIDS5/ptodata/2/pubpna/US11_NEW_PUB.seq:*
 - 15: /SIDS5/ptodata/2/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	28.8	48.0	200	US-11-098-686-1696	Sequence 1696, App
C 2	25.6	42.7	468	US-10-401-386B-43	Sequence 43, Appl
C 3	25.4	42.3	222	US-11-116-881A-962	Sequence 962, App
C 4	25.4	42.3	249	US-11-116-881A-960	Sequence 960, App
C 5	25.4	42.3	250	US-11-116-881A-948	Sequence 948, App
C 6	25.4	42.3	251	US-11-116-881A-1012	Sequence 1012, App
C 7	25.4	42.3	277	US-11-116-881A-2176	Sequence 2176, App
C 8	25.4	42.3	292	US-11-116-881A-2012	Sequence 2012, App
C 9	25.4	42.3	293	US-11-116-881A-996	Sequence 996, App
C 10	25.4	42.3	294	US-11-116-881A-1007	Sequence 1007, App
C 11	25.4	42.3	294	US-11-116-881A-1021	Sequence 1021, App
C 12	25.4	42.3	295	US-11-116-881A-2007	Sequence 2007, App
C 13	25.4	42.3	302	US-11-116-881A-951	Sequence 951, App
C 14	25.4	42.3	305	US-11-116-881A-954	Sequence 954, App
C 15	25.4	42.3	306	US-11-116-881A-971	Sequence 971, App
C 16	25.4	42.3	308	US-11-116-881A-956	Sequence 956, App
C 17	25.4	42.3	309	US-11-116-881A-952	Sequence 952, App
C 18	25.4	42.3	310	US-11-116-881A-978	Sequence 978, App

19	25.4	42.3	320	US-11-116-881A-1019	Sequence 1019, App
20	25.4	42.3	325	US-11-116-881A-946	Sequence 946, App
21	25.4	42.3	338	US-10-517-696-41	Sequence 41, Appl
22	25.4	42.3	333	US-11-116-881A-1022	Sequence 1022, App
23	25.4	42.3	347	US-11-116-881A-972	Sequence 972, App
24	25.4	42.3	414	US-11-116-881A-995	Sequence 995, App
C 25	24.8	41.3	201	US-10-995-561-12537	Sequence 12537, A
C 26	24.8	41.3	201	US-10-995-561-12540	Sequence 12540, A
C 27	24.8	41.3	201	US-10-995-561-62938	Sequence 62938, A
C 28	24.8	41.3	201	US-10-995-561-62964	Sequence 62964, A
C 29	24.4	40.7	201	US-10-995-561-12548	Sequence 12548, A
C 30	24.4	40.7	201	US-10-995-561-63000	Sequence 63000, A
C 31	24.4	40.7	494	US-09-925-065A-896927	Sequence 896927, A
C 32	23.8	39.7	200	US-11-098-686-1698	Sequence 1698, App
C 33	23.8	39.7	201	US-10-995-561-4997	Sequence 4997, App
C 34	23.8	39.7	201	US-10-995-561-5024	Sequence 5024, App
C 35	23.8	39.7	201	US-10-995-561-5053	Sequence 5053, App
C 36	23.8	39.7	201	US-10-995-561-5081	Sequence 5081, App
C 37	23.8	39.7	201	US-10-995-561-5108	Sequence 5108, App
C 38	23.8	39.7	201	US-10-995-561-5129	Sequence 5129, App
C 39	23.8	39.7	201	US-10-995-561-5154	Sequence 5154, App
C 40	23.8	39.7	201	US-10-995-561-28146	Sequence 28146, A
C 41	23	38.3	200	US-11-098-686-1290	Sequence 1290, App
C 42	23	38.3	200	US-11-098-686-1697	Sequence 1697, App
C 43	23	38.3	201	US-10-995-561-10768	Sequence 10768, A
C 44	23	38.3	201	US-10-995-561-10791	Sequence 10791, A
45	23	38.3	201	US-10-995-561-10814	Sequence 10814, A

ALIGNMENTS

RESULT 1
US-11-098-686-1696/c
; Publication No. US20060024696A1
; GENERAL INFORMATION:
; APPLICANT: Kapur, Vivek and Gebhart, Connie J.
; TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
; TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT APPLICATION NUMBER: US/11/098,686
; PRIOR FILING DATE: 2005-04-04
; PRIOR APPLICATION NUMBER: PCT/US03/31318
; PRIOR FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: US 60/416,395
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1696
; LENGTH: 200
; TYPE: DNA
; ORGANISM: Lawsonia intracellularis
; US-11-098-686-1696

Query Match 48.0%; Score 28.8; DB 14; Length 200;
Best Local Similarity 69.6%; Pred. No. 2.2; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 17

QY 5 CAACAGCTCTCCCGCTCATGGGTTACTTGTGCTCCAGATACTCCGCCAGCTCCA 60
Db 113 CACCTGCTCTCTCCGGCTCCGAGGCTCTGAGAGCTCCCGTGTCTCGAAGCTCCA 58

RESULT 2
US-10-401-386B-43
; Sequence 43, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Brannigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy

```

APPLICANT: Bernard J Scallion
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
TITLE OF INVENTION: For Use
FILE REFERENCE: GEN 310C1P
CURRENT APPLICATION NUMBER: US/10/401.386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43

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Query Match	42.7%	Score 25.6	DB 8	Length 468
Best Local Similarity	66.1%	Pred. No. 29		
Matches	37	Conservative	0	Mismatches 19
				Indels 0
				Gaps 0

Qy	1	GGGTCACAGCTCTCCCGCTCATGAGGTTACTTTCGTCACAGATCTCGCCAC	56
Db	412	GGGTCACACGCCCCCAGCCACAGTATCACTCGSCCCGGAACACAGCGCGAC	467

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RESULT 3
US-11-116-881A-962/c
: Sequence 962, Application US/11116881A
: Publication No. US20060041949A1
GENERAL INFORMATION:
APPLICANT: Xu, Dongmei
APPLICANT: Nielsen, Mark T.
TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
FILE REFERENCE: 07678/141014
CURRENT APPLICATION NUMBER: 2005-04-27
PRIOR APPLICATION NUMBER: 60/665,451
PRIOR FILING DATE: 2005-03-24
PRIOR APPLICATION NUMBER: 60/665,097
PRIOR FILING DATE: 2005-03-24
PRIOR APPLICATION NUMBER: 60/646,764
PRIOR FILING DATE: 2005-01-25
PRIOR APPLICATION NUMBER: 60/607,357
PRIOR FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: 60/566,235
PRIOR FILING DATE: 2004-04-29
PRIOR APPLICATION NUMBER: 10/934,944
PRIOR FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: 10/943,507
PRIOR FILING DATE: 2004-09-17
PRIOR APPLICATION NUMBER: 60/503,989
PRIOR FILING DATE: 2003-09-18
PRIOR APPLICATION NUMBER: 60/485,368
PRIOR FILING DATE: 2003-07-08
PRIOR APPLICATION NUMBER: 60/418,933
PRIOR FILING DATE: 2002-10-16
: Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 2300
SOFTWARE: PatentIn version 3.3
SEQ ID NO 962
LENGTH: 222
TYPE: DNA
ORGANISM: Nicotiana tabacum
US-11-116-881A-962

Query Match      42.3%; Score 25.4; DB 11; Length 222;
Best Local Similarity 68.6%; Pred. No. 32;

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	Matches	35;	Conservative	0;	Mismatches	16;	Indels	0;	Gaps	0;
Oy	10	GCTCCTCCCGGTCATGGGGTACTTTGCTGCAGATACTGCCACCACTCCA	60							
Dd	185	GCTGTCCCGGTGGTGATGATGCTGATGCTCAACAAGTAGTGCCTGCTGCA	135							

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RESULT 4
US-11-116-881A-960
; Sequence 960, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; APPLICANT: Nielsen, Mark T.
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 02678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; CURRENT FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PAML.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 960
; LENGTH: 249
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
; US-11-116-881A-960

```

```

Query Match          42.3%   Score 25.4; DB 11; Length 249;
Best Local Similarity 68.6%   Pred. No. 32;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0

                                10  GCTCTCCCGCTCATGAGGAGTACTTCTGCTCCAGATACTCCGCCAGCTCA 60
                                ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      16  GCTGCTCCCGCTGATGGATGATGCTGCTGATGCTGCTCAGACAGCTGCCCTGCTGCA 66

RESULT 5
US-11-116-881A-948
; Sequence 948, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; APPLICANT: Nielsen, Mark T
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; CURRENT FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25

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Query Match	Score
42.3%	

PRIOR FILING DATE: 2005-03-24

; PRIOR APPLICATION NUMBER: 60/646,764

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; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: 60/418,933
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2012
; LENGTH: 292
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-11-116-881A-2012
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Query Match      42.3%; Score 25.4; DB 11; Length 292;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
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QY      10 GCTCTCCCGCTCATGGGTTACTTCTGCTCCAGATACGCCCAGCTCCA 60
Db      272 GCTGCTCCCGCTGATGGTGTGCTGCTGACGACGAGCTCCCTGCTGCA 222
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RESULT 9

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; Sequence 996, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; PRIOR FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
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; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 996
; LENGTH: 293
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-11-116-881A-996
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Query Match      42.3%; Score 25.4; DB 11; Length 293;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
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QY      10 GCTCTCCCGCTCATGGGTTACTTCTGCTCCAGATACGCCCAGCTCCA 60
Db      10 GCTGCTCCCGCTGATGGTGTGCTGCTGACGACGAGCTCCCTGCTGCA 60
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RESULT 10

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; Sequence 1007, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; PRIOR FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1007
; LENGTH: 294
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-11-116-881A-1007
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Query Match      42.3%; Score 25.4; DB 11; Length 294;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
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QY      10 GCTCTCCCGCTCATGGGTTACTTCTGCTCCAGATACGCCCAGCTCCA 60
Db      18 GCTGCTCCCGCTGATGGTGTGCTGCTGACGACGAGCTGCCCTGCTGCA 68
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RESULT 11

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; Sequence 1021, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; PRIOR FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
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; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1021
; LENGTH: 294
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (162)..(162)
; OTHER INFORMATION: n = a, t, c, or g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (165)..(165)
; OTHER INFORMATION: n = a, t, c, or g
US-11-116-881A-1021

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Query Match          42.3%; Score 25.4; DB 11; Length 294;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

```

```

Qy      10 GCTCTCCCGCTCATGGGGTACTTCTGCTCCAGATACGCCAGCTCCA 60
Db      18 GCTCTCCCGCTCATGGGGTACTTCTGCTCCAGATACGCCAGCTCCA 68

```

```

RESULT 12
US-11-116-881A-2007
; Sequence 2007, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; CURRENT FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16

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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2007
; LENGTH: 295
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-11-116-881A-2007

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Query Match          42.3%; Score 25.4; DB 11; Length 295;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

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Qy      10 GCTCTCCCGCTCATGGGGTACTTCTGCTCCAGATACGCCAGCTCCA 60
Db      18 GCTCTCCCGCTCATGGGGTACTTCTGCTCCAGATACGCCAGCTCCA 68

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RESULT 13
US-11-116-881A-951
; Sequence 951, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; CURRENT FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 951
; LENGTH: 302
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-11-116-881A-951

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Query Match          42.3%; Score 25.4; DB 11; Length 302;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

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Qy      10 GCTCTCCCGCTCATGGGGTACTTCTGCTCCAGATACGCCAGCTCCA 60
Db      16 GCTCTCCCGCTCATGGGGTACTTCTGCTCCAGATACGCCAGCTCCA 66

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RESULT 14
US-11-116-881A-964
; Sequence 964, Application US/11116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei

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; APPLICANT: Nielsen, Mark T.
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; CURRENT FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 964
; LENGTH: 305
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
; US-11-116-881A-964
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Query Match      42.3%; Score 25.4; DB 11; Length 305;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
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Qy      10 GCTCTCCCGCTCATGGGTTACTTCTGCTCCAGATACTGCCCACTCCA 60
Db      16 GCTGCTCCCGCTGATGGTGTGCTGCTGCTGCAGCAGCTGCCCTGCTGCA 66
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RESULT 15

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; Sequence 971, Application US/11/116881A
; Publication No. US20060041949A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Dongmei
; APPLICANT: Nielsen, Mark T.
; TITLE OF INVENTION: Nicotiana Nucleic Acid Molecules and Uses Thereof
; FILE REFERENCE: 07678/141014
; CURRENT APPLICATION NUMBER: US/11/116,881A
; CURRENT FILING DATE: 2005-04-27
; PRIOR APPLICATION NUMBER: 60/665,451
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/665,097
; PRIOR FILING DATE: 2005-03-24
; PRIOR APPLICATION NUMBER: 60/646,764
; PRIOR FILING DATE: 2005-01-25
; PRIOR APPLICATION NUMBER: 60/607,357
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 60/566,235
; PRIOR FILING DATE: 2004-04-29
; PRIOR APPLICATION NUMBER: 10/934,944
; PRIOR FILING DATE: 2004-09-03
; PRIOR APPLICATION NUMBER: 10/943,507
; PRIOR FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: 60/503,989
; PRIOR FILING DATE: 2003-09-18
; PRIOR APPLICATION NUMBER: 60/485,368
; PRIOR FILING DATE: 2003-07-08
; PRIOR APPLICATION NUMBER: 60/418,933
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; PRIOR FILING DATE: 2002-10-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2300
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 971
; LENGTH: 306
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
; US-11-116-881A-971
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Query Match      42.3%; Score 25.4; DB 11; Length 306;
Best Local Similarity 68.6%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
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Qy      10 GCTCTCCCGCTCATGGGTTACTTCTGCTCCAGATACTGCCCACTCCA 60
Db      16 GCTGCTCCCGCTGATGGTGTGCTGCTGCTGCAGCAGCTGCCCTGCTGCA 66
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Search completed: March 27, 2006, 14:47:09
Job time : 321.3 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136a-6

Perfect score: 60
Sequence: 1 GGGTCAACAGCTCTCCCGC.....CAGATACTGCGCCAGCTCCA 60

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0

Maximum DB seq length: 5008

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA Main: *
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10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	60	100.0	60	5	US-10-057-136-6 Sequence 6, Appl1
2	38.2	63.7	120	8	US-10-635-211-3 Sequence 3, Appl1
3	38.2	63.7	162	8	US-10-635-211-8 Sequence 8, Appl1
4	36.6	61.0	60	5	US-10-057-136-11 Sequence 11, Appl1
5	36	60.0	60	5	US-10-057-136-10 Sequence 10, Appl1
6	31.8	53.0	60	5	US-10-057-136-5 Sequence 5, Appl1
7	30.2	50.3	60	5	US-10-057-136-7 Sequence 7, Appl1
8	30	50.0	60	5	US-10-057-136-8 Sequence 8, Appl1
9	30	50.0	60	5	US-10-057-136-9 Sequence 9, Appl1
10	29.6	49.3	93	7	US-10-471-607-4 Sequence 4, Appl1
11	29.6	49.3	157	7	US-10-471-607-6 Sequence 6, Appl1
12	29	48.3	60	5	US-10-057-136-12 Sequence 12, Appl1
13	28.8	48.3	490	7	US-10-424-599-89670 Sequence 8670, A
14	27.4	45.7	60	5	US-10-057-136-4 Sequence 4, Appl1
15	27.4	45.7	435	3	US-09-918-995-28868 Sequence 28868, A
16	27.2	45.3	281	11	US-11-097-143-19397 Sequence 19397, A
17	27	45.0	60	5	US-10-057-136-2 Sequence 2, Appl1
18	26.4	44.0	157	7	US-10-471-607-9 Sequence 9, Appl1
19	26.4	44.0	209	3	US-09-864-761-21470 Sequence 21470, A
20	26.4	44.0	426	3	US-09-864-761-4730 Sequence 4730, Ap
21	26.4	44.0	491	9	US-10-972-079-58492 Sequence 58492, A
22	26.2	43.7	407	3	US-09-960-352-14546 Sequence 14546, A
23	25.8	43.0	183	6	US-10-029-386-15440 Sequence 15440, A

24	25.6	42.7	60	5	US-10-057-136-14 Sequence 14, Appl1
25	25.6	42.7	453	5	US-10-194-163-434 Sequence 13, App
26	25.4	42.3	78	5	US-10-057-136-13 Sequence 13, Appl1
27	25.4	42.3	481	7	US-10-424-599-33392 Sequence 33392, A
28	25.2	42.0	243	10	US-11-097-143-37091 Sequence 37091, A
29	25	41.7	201	8	US-10-719-993-29580 Sequence 29580, A
30	25	41.7	204	10	US-11-097-143-33965 Sequence 33965, A
31	24.8	41.3	201	8	US-10-741-600-17275 Sequence 17275, A
32	24.8	41.3	201	8	US-10-741-600-59824 Sequence 59824, A
33	24.8	41.3	446	3	US-09-918-995-31041 Sequence 31041, A
34	24.8	41.3	474	6	US-10-156-761-2467 Sequence 2467, Ap
35	24.8	41.3	479	3	US-09-918-995-31573 Sequence 31573, A
36	24.8	41.3	498	3	US-09-918-995-1344 Sequence 1344, Ap
37	24.6	41.0	385	9	US-10-779-543-10939 Sequence 10939, A
38	24.6	41.0	400	7	US-10-767-701-13206 Sequence 13206, A
39	24.4	40.7	201	8	US-10-741-600-17283 Sequence 17283, A
40	24.4	40.7	201	8	US-10-741-600-17305 Sequence 17305, A
41	24.4	40.7	201	8	US-10-741-600-59855 Sequence 59855, A
42	24.4	40.7	400	7	US-10-242-535A-10924 Sequence 10924, A
43	24.4	40.7	400	7	US-10-085-783A-10924 Sequence 10924, A
44	24.4	40.7	494	4	US-09-925-065A-896927 Sequence 896927, A
45	24.2	40.3	310	7	US-10-641-643-60 Sequence 60, Appl1

ALIGNMENTS

RESULT 1
US-10-057-136-6
Sequence 6, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLON, JEFFREY
APPLICANT: KIRFE, DONALD
APPLICANT: KANTOR, JUDITH
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366, 670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038, 253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-6
Query Match 100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred No. 6; 7e-12;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 GGGTCAACAGCTCTCCGCTCATGGAGTACTTGTCTCCAGATACGCCAGCTCCA 60
Db 1 GGGTCAACAGCTCTCCGCTCATGGAGTACTTGTCTCCAGATACGCCAGCTCCA 60
RESULT 2
US-10-635-211-3
Sequence 3, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
TITLE OF INVENTION: and the epitope of MUC1

FILE REFERENCE: FP030120S
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 120
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(120)
US-10-635-211-3

Query Match 63.7%; Score 38.2; DB 8; Length 120;
Best Local Similarity 78.0%; Pred. No. 0.00058;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GGGTCAACAGCTCTCTCCGCTCATGGGGTTACTTCTGCTCCAGATACTGCGCCAGCTCC 59
DB 1 GGTTCTACCGCTCCGCGGCTCAGCGGTACTCTGCTCCGACACCCGCTCCGCTCC 59

RESULT 3
US-10-635-211-8/C
Sequence 8, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDVAx Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
TITLE OF INVENTION: and the epitope of MUC1
FILE REFERENCE: FP030120S
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 162
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
US-10-635-211-8

Query Match 63.7%; Score 38.2; DB 8; Length 162;
Best Local Similarity 78.0%; Pred. No. 0.00061;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GGGTCAACAGCTCTCTCCGCTCATGGGGTTACTTCTGCTCCAGATACTGCGCCAGCTCC 59
DB 138 GGTTCTACCGCTCCGCGGCTCAGCGGTACTCTGCTCCGACACCCGCTCCGCTCC 80

RESULT 4
US-10-057-136-11
Sequence 11, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253

PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-11

Query Match 61.0%; Score 36.6; DB 5; Length 60;
Best Local Similarity 76.3%; Pred. No. 0.002;
Matches 45; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 GGGTCAACAGCTCTCTCCGCTCATGGGGTTACTTCTGCTCCAGATACTGCGCCAGCTCC 59
DB 1 GGTTCAACGCTCCGCGGCTCAGCGGTACTCTGCTCCGACACCCGCTCCGCTCC 59

RESULT 5
US-10-057-136-10
Sequence 10, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-10

Query Match 60.0%; Score 36; DB 5; Length 60;
Best Local Similarity 75.0%; Pred. No. 0.0033;
Matches 45; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 GGGTCAACAGCTCTCTCCGCTCATGGGGTTACTTCTGCTCCAGATACTGCGCCAGCTCC 60
DB 1 GGGTGACGTGCGGCTCCGCGGCTGATGTGACTGACTCTGACACCAAGCCAGCCCA 60

RESULT 6
US-10-057-136-5
Sequence 5, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03

; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-5

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.11;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 1 GGGTCACAGCTCTCTCCGCTCATGGGTTACTTCTGCTCCAGATATCTGCCAGCTCC 59
Db 1 GGATCCACCGCGCGCTGCGCAGGAGTACGTGCGCGCCGACACGCGCGCTCC 59

RESULT 7

; Sequence 7, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-7

Query Match 50.3%; Score 30.2; DB 5; Length 60;
Best Local Similarity 69.5%; Pred. No. 0.41;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 1 GGGTCACAGCTCTCTCCGCTCATGGGTTACTTCTGCTCCAGATATCTGCCAGCTCC 59
Db 1 GGTTCACGCGCCCTCTGCTCATGGTGTACATCCGCCGATACCAACCGGCCCC 59

RESULT 8

; Sequence 8, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136

; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-8

Query Match 50.0%; Score 30; DB 5; Length 60;
Best Local Similarity 72.2%; Pred. No. 0.49;
Matches 39; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 7 ACAGCTCTCCGCTCATGGGTTACTTCTGCTCCAGATATCTGCCAGCTCCA 60
Db 7 ACCGTCACCGCGCGCTGCGCAGGAGTACAGCGCGCCGACGACTGACTGCGCA 60

RESULT 9

; Sequence 9, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-9

Query Match 50.0%; Score 30; DB 5; Length 60;
Best Local Similarity 72.2%; Pred. No. 0.49;
Matches 39; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 7 ACAGCTCTCCGCTCATGGGTTACTTCTGCTCCAGATATCTGCCAGCTCCA 60
Db 7 ACCGTCACCGCTGCGCAGGAGTACAGCGCGCCGACGACTGACTGCGCA 60

RESULT 10

; Sequence 10, Application US/10471607
; Publication No. US20040115740A1
; GENERAL INFORMATION:
; APPLICANT: The Victoria University of Manchester
; APPLICANT: Benson, Roderick
; TITLE OF INVENTION: Intracellular analysis.
; FILE REFERENCE: P088857/PWO
; CURRENT APPLICATION NUMBER: US/10/471,607
; CURRENT FILING DATE: 2003-09-24

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; PRIOR APPLICATION NUMBER: GB 0108165.2
; PRIOR FILING DATE: 3001-03-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 93
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Artificial epitope construct
US-10-471-607-4

Query Match      49.3%; Score 29.6; DB 7; Length 93;
Best Local Similarity 79.5%; Pred. No. 0.73;
Matches 35; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY      1 GGGTCAACAGCTCTCCCGCTCATGGGGTTACTTGTCTCCAGA 44
DB      57 GGCTCAACAGCCCCCGAGCTCATGGTGTCACTCAGCTCCGA 14

RESULT 11
US-10-471-607-6
; Sequence 6, Application US/10471607
; Publication No. US20040115740A1
; GENERAL INFORMATION:
; APPLICANT: The Victoria University of Manchester
; APPLICANT: Benson, Roderick
; TITLE OF INVENTION: Intracellular analysis.
; FILE REFERENCE: P088657PMO
; CURRENT APPLICATION NUMBER: US/10/471,607
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: GB 0108165.2
; PRIOR FILING DATE: 3001-03-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 157
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Artificial epitope construct
US-10-471-607-6

Query Match      49.3%; Score 29.6; DB 7; Length 157;
Best Local Similarity 79.5%; Pred. No. 0.79;
Matches 35; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY      1 GGGTCAACAGCTCTCCCGCTCATGGGGTTACTTGTCTCCAGA 44
DB      101 GGCTCAACAGCCCCCGAGCTCATGGTGTCACTCAGCTCCGA 144

RESULT 12
US-10-057-136-12
; Sequence 12, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLUM, JEFFREY
; APPLICANT: KUFER, DONALD
; APPLICANT: KANTOR, JUDITH
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
```

```

; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-12

Query Match      48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 1.1;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY      7 AAGCTCTCCCGCTCATGGGGTTACTTGTCTCCAGATACCTGCCAGCTCC 59
DB      7 ACAGCGCACCCGACATGGCGTCAAGAGCGCTCCGATACGAGACCGGCGCC 59

RESULT 13
US-10-424-599-89670/C
; Sequence 89670, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 89670
; LENGTH: 490
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_51983C.1
US-10-424-599-89670

Query Match      48.0%; Score 28.8; DB 7; Length 490;
Best Local Similarity 69.6%; Pred. No. 1.8;
Matches 39; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY      5 CACAGCTCTCCCGCTCATGGGGTTACTTGTCTCCAGATACCTGCCAGCTCCA 60
DB      273 CAGCGCTCTTCCGCTCCAGCGGCTTCTTCCGCTCCAGCGGCTTGTCTGCCA 218

RESULT 14
US-10-057-136-4
; Sequence 4, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLUM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFER, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 Seconds
(without alignments)
1921.688 Million cell updates/sec

Title: US-10-057-136a-6

Perfect score: 60
Sequence: 1 GGGTCAACAGCTCTCCCGC.....CAGACTCGCCAGCTCCA 60

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodaca/1/ina/1.COMB.seq: *
2: /cgn2_6/ptodaca/1/ina/5.COMB.seq: *
3: /cgn2_6/ptodaca/1/ina/6.COMB.seq: *
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8: /cgn2_6/ptodaca/1/ina/RE.COMB.seq: *
9: /cgn2_6/ptodaca/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	30.2	50.3	68	3	US-09-304-967-53 Sequence 53, App1
2	29.4	49.0	78	3	US-09-304-967-96 Sequence 96, App1
3	28.8	48.3	78	3	US-09-304-967-102 Sequence 102, App1
4	28.8	48.0	68	3	US-09-304-967-57 Sequence 57, App1
5	28.2	47.0	78	3	US-09-304-967-98 Sequence 98, App1
6	28	46.7	68	3	US-09-304-967-51 Sequence 51, App1
7	28	46.7	68	3	US-09-304-967-55 Sequence 55, App1
8	28	46.7	78	3	US-09-304-967-94 Sequence 94, App1
9	28	46.7	78	3	US-09-304-967-100 Sequence 100, App1
10	28	46.7	83	3	US-09-304-967-79 Sequence 79, App1
11	27.6	46.0	303	3	US-09-489-039A-2070 Sequence 2070, App1
12	27.4	45.7	83	3	US-09-304-967-75 Sequence 75, App1
13	27.2	45.3	78	3	US-09-304-967-92 Sequence 92, App1
14	27.2	45.0	48	3	US-09-304-967-47 Sequence 47, App1
15	27	45.0	48	3	US-09-304-967-67 Sequence 67, App1
16	27	45.0	48	3	US-09-304-967-90 Sequence 90, App1
17	27	45.0	68	3	US-09-304-967-49 Sequence 49, App1
18	27	45.0	83	3	US-09-304-967-69 Sequence 69, App1
19	27	45.0	83	3	US-09-304-967-71 Sequence 71, App1
20	27	45.0	83	3	US-09-304-967-73 Sequence 73, App1
21	27	45.0	83	3	US-09-304-967-77 Sequence 77, App1
22	25.6	42.7	205	3	US-09-513-999C-13924 Sequence 13924, App1
23	25.6	42.7	453	3	US-09-221-017B-434 Sequence 434, App1
24	25.2	42.0	418	3	US-09-270-767-25147 Sequence 25147, App1

25	25.2	42.0	486	3	US-09-270-767-9852 Sequence 9852, App1
26	24.6	41.0	149	3	US-09-270-767-29740 Sequence 29740, App1
27	24.6	41.0	376	3	US-09-270-767-13719 Sequence 13719, App1
28	24.2	40.3	60	3	US-09-475-947A-246 Sequence 246, App1
29	24.2	40.3	310	3	US-09-023-655-60 Sequence 60, App1
30	23.8	39.7	249	3	US-09-270-767-12518 Sequence 12518, App1
31	23.6	39.3	264	3	US-09-270-767-28005 Sequence 28005, App1
32	23.6	39.3	436	3	US-09-621-976-7995 Sequence 7995, App1
33	23.6	39.3	436	3	US-09-270-767-12264 Sequence 12264, App1
34	23.4	39.0	436	3	US-09-621-976-10122 Sequence 10122, App1
35	23.4	39.0	440	3	US-09-270-767-8776 Sequence 8776, App1
36	23.4	39.0	440	3	US-09-270-767-24058 Sequence 24058, App1
37	23.4	39.0	468	3	US-09-915-060A-5 Sequence 5, App1
38	23	38.3	225	2	US-07-609-716-40 Sequence 40, App1
39	23	38.3	225	3	US-08-475-411A-40 Sequence 40, App1
40	23	38.3	123	3	US-08-478-029A-40 Sequence 40, App1
41	22.6	37.7	295	3	US-09-866-108A-15678 Sequence 15678, App1
42	22.6	37.7	500	3	US-09-866-108A-15722 Sequence 15722, App1
43	22.4	37.3	144	2	US-08-209-747-13 Sequence 13, App1
44	22.4	37.3	144	2	US-08-458-298-13 Sequence 13, App1
45	22.4	37.3	231	3	US-09-902-540-5551 Sequence 5551, App1

ALIGNMENTS

RESULT 1
US-09-304-967-53
Sequence 53, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendish, Mary
APPLICANT: Jones, Tim
APPLICANT: Longstaff, Marian
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOM-04646
CURRENT APPLICATION NUMBER: US/09/304,967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471,048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 53
LENGTH: 68
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-53
Query Match 50.3%; Score 30.2; DB 3; Length 68;
Best Local Similarity 81.4%; Pred. No. 0.38;
Matches 35; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 17 CCGCTCATGGGCTACTTCTGCTCCGAGATACGCCAGCTCC 59
DB 4 CCTTAAGGATGTACTTCTGCTCCGATACGACTGCTCC 46
RESULT 2
US-09-304-967-96
Sequence 96, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:

```

; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-96

```

```

Query Match      49.0%; Score 29.4; DB 3; Length 78;
Best Local Similarity 84.6%; Pred. No. 0.73;
Matches 33; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

```

```

Qy      21 TCATGGGTTACTTCTGCTCCAGATACCTGCCAGCTCC 59
Db      13 TGAATGGTTACTTCTGCTCCAGATACCTGCCAGCTCC 51

```

```

RESULT 3
US-09-304-967-102
; Sequence 102, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 102
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-102

```

```

Query Match      48.3%; Score 29; DB 3; Length 78;
Best Local Similarity 77.8%; Pred. No. 1;
Matches 35; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

```

```

Qy      15 TCCGCTCATGGGTTACTTCTGCTCCAGATACCTGCCAGCTCC 59
Db      16 TCTCGTGGGGGTTACTTCTGCTCCAGATACCTGCCAGCTCC 60

```

```

RESULT 4
US-09-304-967-57
; Sequence 57, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-57

```

```

Query Match      48.0%; Score 28.8; DB 3; Length 68;
Best Local Similarity 82.5%; Pred. No. 1.1;
Matches 33; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

Qy      20 CTCATGGGTTACTTCTGCTCCAGATACCTGCCAGCTCC 59
Db      13 CTCGTGGTTACTTCTGCTCCAGATACCTGCCAGCTCC 52

```

```

RESULT 5
US-09-304-967-98
; Sequence 98, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus

```


US-09-304-967-98

Query Match 47.0%; Score 28.2; DB 3; Length 78;
Best Local Similarity 80.5%; Pred. No. 1.9;
Matches 33; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 19 GCTCATGGGTTACTTCTGCTCCAGATACGCGCCAGCTCC 59
DB 14 GATCTCGGTGTACTTCTGCTCCGATACGACTGCTCC 54

RESULT 6

US-09-304-967-51
; Sequence 51, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ. ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 51
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-51

Query Match 46.7%; Score 28; DB 3; Length 68;
Best Local Similarity 86.1%; Pred. No. 2.1;
Matches 31; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 24 TGGGTTACTTCTGCTCCAGATACGCGCCAGCTCC 59
DB 8 TGGGTTACTTCTGCTCCGATACGACTGCTCC 43

RESULT 7

US-09-304-967-55
; Sequence 55, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032

; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ. ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 55
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-55

Query Match 46.7%; Score 28; DB 3; Length 68;
Best Local Similarity 86.1%; Pred. No. 2.1;
Matches 31; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 24 TGGGTTACTTCTGCTCCAGATACGCGCCAGCTCC 59
DB 14 TGGGTTACTTCTGCTCCGATACGACTGCTCC 49

RESULT 8

US-09-304-967-94
; Sequence 94, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOM-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ. ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 94
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-94

Query Match 46.7%; Score 28; DB 3; Length 78;
Best Local Similarity 86.1%; Pred. No. 2.2;
Matches 31; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 24 TGGGTTACTTCTGCTCCAGATACGCGCCAGCTCC 59
DB 13 TGGGTTACTTCTGCTCCGATACGACTGCTCC 48

RESULT 9

US-09-304-967-100
; Sequence 100, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous

```

; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 100
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-100
```

```
Query Match          46.7%; Score 28; DB 3; Length 78;
Best Local Similarity 86.1%; Pred. No. 2.2;
Matches 31; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 24 TGGGTTACTTCTGCTCCAGATCTGCGCCAGCTCC 59
DB 22 TGGTGTACTTCTGCTCCTGATCTAGACCTGCTCC 57
```

```

RESULT 10
US-09-304-967-79
; Sequence 79, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 79
; LENGTH: 83
; TYPE: DNA
; ORGANISM: Lucerne transient streak virus
US-09-304-967-79
```

```
Query Match          46.7%; Score 28; DB 3; Length 83;
Best Local Similarity 86.1%; Pred. No. 2.2;
Matches 31; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 24 TGGGTTACTTCTGCTCCAGATCTGCGCCAGCTCC 59
DB 24 TGGTGTACTTCTGCTCCTGATCTAGACCTGCTCC 59
```

```

RESULT 11
US-09-489-039A-2070/C
; Sequence 2070, Application US/09489039A
; Patent No. 6610836
```

```

; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709, 2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 2070
; LENGTH: 303
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-2070
```

```
Query Match          46.0%; Score 27.6; DB 3; Length 303;
Best Local Similarity 67.2%; Pred. No. 4;
Matches 39; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
```

```
QY 1 GGGTCAACAGCTCTCCGCTCATGGGTTACTTCTGCTCCAGATCTGCGCCAGCTC 58
DB 157 GGGTCAAGCTGCGACGCGAGCGCTGGCGGATTTCTTCAACATCTCACCAGATC 100
```

```

RESULT 12
US-09-304-967-75
; Sequence 75, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 75
; LENGTH: 83
; TYPE: DNA
; ORGANISM: Lucerne transient streak virus
US-09-304-967-75
```

```
Query Match          45.7%; Score 27.4; DB 3; Length 83;
Best Local Similarity 83.8%; Pred. No. 3.5;
Matches 31; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
```

```
QY 23 ATGGGTTACTTCTGCTCCAGATCTGCGCCAGCTCC 59
DB 17 ACGGTGTACTTCTGCTCCTGATCTAGACCTGCTCC 53
```

```

RESULT 13
US-09-304-967-92
; Sequence 92, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
```

```
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 92
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-92
```

```
Query Match 45.3%; Score 27.2; DB 3; Length 78;
Best Local Similarity 80.0%; Pred. No. 4.1;
Matches 32; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
```

```
QY 20 CTGATGGGTTACTTCTGCTCCAGATACCTGCCCAAGCTCC 59
Db 6 CTGATGGTGTACTTCTGCTCCGATGATCTAGACCTGCTCC 45,
```

RESULT 14

```
US-09-304-967-47
; Sequence 47, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-47
```

```
Query Match 45.0%; Score 27; DB 3; Length 48;
Best Local Similarity 85.7%; Pred. No. 4.3;
Matches 30; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 25 GGGTTACTTCTGCTCCAGATACCTGCCCAAGCTCC 59
Db 1 GGGTTACTTCTGCTCCGATGATCTAGACCTGCTCC 35
```

RESULT 15

```
US-09-304-967-67
; Sequence 67, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-67
```

```
Query Match 45.0%; Score 27; DB 3; Length 48;
Best Local Similarity 85.7%; Pred. No. 4.3;
Matches 30; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 25 GGGTTACTTCTGCTCCAGATACCTGCCCAAGCTCC 59
Db 1 GGGTTACTTCTGCTCCGATGATCTAGACCTGCTCC 35
```

Search completed: March 27, 2006, 16:33:31
Job time : 56.5 secs

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```

; APPLICANT: David M Knight
; APPLICANT: Stephen G McCarthy
; APPLICANT: Bernard J Scallion
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; TITLE OF INVENTION: for use
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; CURRENT FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/338,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 468
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(468)
US-10-401-386B-43

Query Match
Best Local Similarity 56.0%; Score 33.6; DB 8; Length 468;
Pred. No. 0.11;
Matches 42; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
```

```
Qy 1 GGATCCACCGCGCGCTGCGACGAGTGAGCTGGCGCGCCGACACGCGCCCGC 56
Db 412 GGCTCCACCGCGCGCCCGCCGACCGAGTGTCCTCGGCGCCGACACGAGCGGC 467
```

```

RESULT 3
US-09-925-065A-448708/c
; Sequence 448708, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 448708
; LENGTH: 379
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-448708
```

```

Query Match
Best Local Similarity 41.3%; Score 24.8; DB 6; Length 379;
Pred. No. 64;
Matches 38; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
```

```
Qy 1 GGATCCACCGCGCGCTGCGACGAGTGAGCTGGCGCGCCGACACGCGCCCGCTCCC 60
Db 299 GGATGACGCGCGCGCGAGGCGCGCGAGCTGACGCGCGCGCTGTCAAGCGCGCGCC 240
```

```

RESULT 4
US-10-301-480-508296/c
```

```

; Sequence 508296, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; TITLE OF INVENTION: in the Human Genome
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 508296
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-508296
```

```

Query Match
Best Local Similarity 41.3%; Score 24.8; DB 10; Length 390;
Pred. No. 63;
Matches 38; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
```

```
Qy 1 GGATCCACCGCGCGCGCTGCGACGAGTGAGCTGGCGCGCCGACACGCGCCCGCTCCC 60
Db 310 GGATGACGCGCGCGCGAGGCGCGCGAGCTGACGCGCGCGCTGTCAAGCGCGCCCG 251
```

```

RESULT 5
US-10-301-480-1121705/c
; Sequence 1121705, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; CURRENT FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1121705
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-1121705
```

```

Query Match
Best Local Similarity 41.3%; Score 24.8; DB 10; Length 390;
Pred. No. 63;
Matches 38; Conservative 0; Mismatches 22; Indels 0; Gaps 0;
```

```
Qy 1 GGATCCACCGCGCGCGCTGCGACGAGTGAGCTGGCGCGCCGACACGCGCCCGCTCCC 60
Db 310 GGATGACGCGCGCGCGAGGCGCGCGAGCTGACGCGCGCGCTGTCAAGCGCGCCCG 251
```

```

RESULT 6
US-11-051-720-507/c
; Sequence 507, Application US/11051720
; Publication No. US20060046257A1
; GENERAL INFORMATION:
; APPLICANT: Compugen Ltd
; TITLE OF INVENTION: NOVEL NUCLEOTIDE AND AMINO ACID SEQUENCES, AND ASSAYS AND METHODS
; TITLE OF INVENTION: THEREOF FOR DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 1847.1002
; CURRENT APPLICATION NUMBER: US/11/051,720
; CURRENT FILING DATE: 2005-01-27
```

NUMBER OF SEQ ID NOS: 1780
; SEQ ID NO 507
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
US-11-051-720-507

Query Match 40.7%; Score 24.4; DB 11; Length 464;
Best Local Similarity 63.8%; Pred. No. 81;
Matches 37; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 1 GGATCCACCGCGCGCTGCGACGAGTACGTGCGCGCGCCGACACGCGCGCTC 58
Db 90 GGATGCTCCCCCGCACCGCCCGCATATGTCGCGCGCGCGCGCGCGCGCGCC 33

RESULT 7
US-09-925-065A-46875/c
; Sequence 46875, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,032
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46875
; LENGTH: 452
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-46875

Query Match 39.3%; Score 23.6; DB 6; Length 452;
Best Local Similarity 62.5%; Pred. No. 1.4e+02;
Matches 35; Conservative 1; Mismatches 20; Indels 0; Gaps 0;

Qy 5 CCACCGCGCGCGCTGCGACGAGTACGTGCGCGCGCCGACACGCGCGCTCC 60
Db 390 CCTCGGGGTACCTCGCGCGCGCGCTGAGCCACGCGCGCGCGCGCGCGCGC 335

RESULT 8
US-11-084-085-74
; Sequence 74, Application US/11084085
; Publication No. US20050282147A1
; GENERAL INFORMATION:
; APPLICANT: Feinberg, Andrew
; APPLICANT: Strickman-Almashanu, Liora
; APPLICANT: Jiang, Shan
; TITLE OF INVENTION: METHODS FOR ASSAYING GENE IMPRINTING AND
; FILE REFERENCE: 01107.00128
; CURRENT APPLICATION NUMBER: US/11/084,085
; CURRENT FILING DATE: 2005-03-17
; PRIOR APPLICATION NUMBER: US/09/861,893
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: 60/206,158
; PRIOR FILING DATE: 2000-05-22

PRIOR APPLICATION NUMBER: 60/206,161
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 415
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(415)
; OTHER INFORMATION: n = A,T,C or G
US-11-084-085-74

Query Match 38.7%; Score 23.2; DB 14; Length 415;
Best Local Similarity 64.2%; Pred. No. 2e+02;
Matches 34; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy 3 ATCCACCGCGCGCGCTGCGACGAGTACGTGCGCGCGCCGACACGCGCGCG 55
Db 254 AGCAGCCACCGCGCGCTGCGAGTGAAGAGCGCTCCGACGCGCGCGCGCG 306

RESULT 9
US-10-995-561-66298/c
; Sequence 66298, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66298
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-66298

Query Match 38.3%; Score 23; DB 8; Length 201;
Best Local Similarity 68.1%; Pred. No. 2.7e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 8 CCGCGCGCGCGCTGCGACGAGTACGTGCGCGCGCCGACACGCGCGCG 54
Db 151 CCACCGCGCTGCGAGTGAAGAGCGCTCCGCGCGCGCGCGCGCGCGC 105

RESULT 10
US-10-995-561-66416/c
; Sequence 66416, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66416
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-66416

Query Match 38.3%; Score 23; DB 8; Length 201;

Best Local Similarity 68.1%; Pred. No. 2.7e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 8 CCGCGCGCGCTGCGACGAGTACGTCGCGCGCCGACGCGCCCG 54
Db 196 CCAACCCCGTCTGGAAGTGAAGAGCGCTCTCCGCGGACGCGCCCG 150

RESULT 11
US-10-995-561-66626/c
; Sequence 66626, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 66626
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-66626

Query Match 38.3%; Score 23; DB 8; Length 201;
Best Local Similarity 68.1%; Pred. No. 2.7e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 8 CCGCGCGCGCTGCGACGAGTACGTCGCGCGCCGACGCGCCCG 54
Db 179 CCAACCCCGTCTGGAAGTGAAGAGCGCTCTCCGCGGACGCGCCCG 133

RESULT 12
US-10-995-561-75733/c
; Sequence 75733, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75733
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-75733

Query Match 37.0%; Score 22.2; DB 8; Length 201;
Best Local Similarity 64.7%; Pred. No. 4.8e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 5 CCAACCGCGCGCTGCGACGAGTACGTCGCGCGCCGACGCGCCCG 55
Db 116 CCAACCGCGCTGCTGGAAGTGAAGAGCGCTCTCCGCGGACGCGCCCG 66

RESULT 13
US-10-995-561-84508/c
; Sequence 84508, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH

; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 84508
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-84508

Query Match 37.0%; Score 22.2; DB 8; Length 201;
Best Local Similarity 64.7%; Pred. No. 4.8e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 5 CCAACCGCGCGCTGCGACGAGTACGTCGCGCGCCGACGCGCCCG 55
Db 116 CCAACCGCGCTGCTGGAAGTGAAGAGCGCTCTCCGCGGACGCGCCCG 66

RESULT 14
US-09-925-065A-579230
; Sequence 579230, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 579230
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-579230

Query Match 37.0%; Score 22.2; DB 6; Length 219;
Best Local Similarity 64.7%; Pred. No. 4.7e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 5 CCAACCGCGCGCTGCGACGAGTACGTCGCGCGCCGACGCGCCCG 55
Db 137 CCAACCAACCCCGTCTGGAAGTGAAGAGCGCTCTCCGCGGACGCGCCCG 187

RESULT 15
US-09-925-065A-579231
; Sequence 579231, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 579231
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-579231

Query Match 37.0%; Score 22.2; DB 6; Length 219;
Best Local Similarity 64.7%; Pred. No. 4.7e+02;
Matches 33; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

QY 5 CCACCGCGCGCCTGCGCAGAGTACGTGCGCGCCCGACAGCGGCCCG 55
Db 137 CAACCAACCCGCTGAGAGTGAAGAGCCCTCCCGCGCAGCGGCCCG 187

Search completed: March 27, 2006, 14:47:07
Job time : 322.3 secs

This Page Blank (uspto)

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136a-5

Perfect score: 60

Sequence: 1 GGATCCACCGCGCGCTGCTCC.....CCGACACGCGCGCTCC 60

Scoring table: IDENTITY NUC

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0
Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA Main:
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2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:*
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10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	60	US-10-057-136-5	Sequence 5, Appl1
2	38.2	63.7	60	US-10-057-136-11	Sequence 11, Appl1
3	36.6	61.0	120	US-10-635-211-3	Sequence 3, Appl1
4	36.6	61.0	162	US-10-635-211-8	Sequence 8, Appl1
5	35	58.3	60	US-10-057-136-2	Sequence 2, Appl1
6	33.4	55.7	78	US-10-057-136-13	Sequence 13, Appl1
7	32	53.3	60	US-10-057-136-14	Sequence 14, Appl1
8	31.8	53.0	60	US-10-057-136-6	Sequence 6, Appl1
9	31.8	53.0	60	US-10-057-136-8	Sequence 8, Appl1
10	31.8	53.0	60	US-10-057-136-9	Sequence 9, Appl1
11	31.8	53.0	60	US-10-057-136-10	Sequence 10, Appl1
12	30.2	50.3	60	US-10-057-136-7	Sequence 7, Appl1
13	30	50.0	164	US-09-864-864-258	Sequence 258, Appl1
14	28.6	47.7	257	US-10-425-115-47774	Sequence 47774, A
15	27.2	45.3	227	US-10-437-963-50884	Sequence 50884, A
16	26.8	44.7	420	US-10-437-963-66389	Sequence 66389, A
17	26.6	44.3	225	US-10-437-963-67301	Sequence 67301, A
18	26.6	44.3	400	US-10-425-115-35567	Sequence 35567, A
19	25.8	43.0	60	US-10-057-136-12	Sequence 12, Appl1
20	25.8	43.0	294	US-10-425-115-13378	Sequence 13378, A
21	25.6	42.7	484	US-10-767-701-5020	Sequence 5020, Ap
22	25.4	42.3	414	US-10-260-238-5762	Sequence 5762, Ap
23	25.2	42.0	245	US-09-764-891-8226	Sequence 8226, Ap

C	24	25.2	42.0	334	8	US-10-723-860-3650	Sequence 3650, Ap
C	25	25.2	42.0	334	9	US-10-756-149-3559	Sequence 3559, Ap
C	26	25	41.7	93	7	US-10-471-607-3	Sequence 3, Appl1
C	27	25	41.7	156	7	US-10-471-607-5	Sequence 5, Appl1
C	28	25	41.7	157	7	US-10-471-607-6	Sequence 6, Appl1
C	29	25	41.7	157	7	US-10-471-607-9	Sequence 9, Appl1
C	30	25	41.7	447	3	US-09-814-353-12800	Sequence 12800, A
C	31	24.8	41.3	199	8	US-10-723-860-1585	Sequence 1585, Ap
C	32	24.8	41.3	309	7	US-10-437-963-51140	Sequence 51140, A
C	33	24.8	41.3	379	4	US-09-925-065A-448708	Sequence 448708, A
C	34	24.8	41.3	380	5	US-10-027-632-136953	Sequence 136953, A
C	35	24.8	41.3	380	6	US-10-027-632-136953	Sequence 136953, A
C	36	24.8	41.3	465	7	US-10-437-963-49325	Sequence 49325, A
C	37	24.8	41.3	493	7	US-10-437-963-21648	Sequence 21648, A
C	38	24.6	41.0	201	8	US-10-741-600-43763	Sequence 43763, A
C	39	24.6	41.0	272	8	US-10-425-115-58205	Sequence 58205, A
C	40	24.6	41.0	360	8	US-10-425-115-108103	Sequence 108103, A
C	41	24.6	41.0	436	8	US-10-425-115-189404	Sequence 189404, A
C	42	24.4	40.7	369	7	US-10-437-963-54276	Sequence 54276, A
C	43	24.4	40.7	408	7	US-10-437-963-41409	Sequence 41409, A
C	44	24.4	40.7	446	7	US-10-767-701-1943	Sequence 1943, Ap
C	45	24.2	40.3	60	5	US-10-057-136-4	Sequence 4, Appl1

ALIGNMENTS

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RESULT 1
US-10-057-136-5
; Sequence 5, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLON, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-5
Query Match      100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 6-2e-11;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 GGATCCACCGCGCGCTGCGACGAGTGTAGCTGGCGCCGACACGCGCGCTCC 60
Db      1 GGATCCACCGCGCGCTGCGACGAGTGTAGCTGGCGCCGACACGCGCGCTCC 60
RESULT 2
US-10-057-136-11
; Sequence 11, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLON, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFFE, DONALD
```

```
/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: PCT/US98/03693
/ PRIOR FILING DATE: 1998-02-24
/ PRIOR APPLICATION NUMBER: 60/038,253
/ PRIOR FILING DATE: 1997-02-24
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 11
/ LENGTH: 60
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-057-136-11
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Query Match          63.7%; Score 38.2; DB 5; Length 60;
Best Local Similarity 78.0%; Pred. No. 0.0015;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
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Qy      1 GGATCCACCGCGCGCGCTGCGACGAGTGACGTCGCGCCCGACACGCGCCCGCTCC 59
Db      1 GGTTCAACGCGACCTCCACGACACGAGTCACGTCGACCCGACCCCGCTCAGCTCC 59
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RESULT 3
US-10-635-211-3
/ Sequence 3, Application US/10635211
/ Publication No. US20050031649A1
/ GENERAL INFORMATION:
/ APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
/ TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
/ FILE REFERENCE: FP03012US
/ CURRENT APPLICATION NUMBER: US/10/635,211
/ CURRENT FILING DATE: 2003-08-06
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 3
/ LENGTH: 120
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(120)
US-10-635-211-3
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Query Match          61.0%; Score 36.6; DB 8; Length 120;
Best Local Similarity 76.3%; Pred. No. 0.0045;
Matches 45; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
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Qy      1 GGATCCACCGCGCGCGCTGCGACGAGTGACGTCGCGCCCGACACGCGCCCGCTCC 59
Db      1 GGTTTACCGCTCCGCGCGCTCAGGTGTACTCTGCTCCGACACCCGCTCCGCTCC 59
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RESULT 4
US-10-635-211-8/c
/ Sequence 8, Application US/10635211
/ Publication No. US20050031649A1
/ GENERAL INFORMATION:
/ APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
/ TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
/ FILE REFERENCE: FP03012US
/ CURRENT APPLICATION NUMBER: US/10/635,211
/ CURRENT FILING DATE: 2003-08-06
/ NUMBER OF SEQ ID NOS: 9
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/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 8
/ LENGTH: 162
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Primer
US-10-635-211-8
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Query Match          61.0%; Score 36.6; DB 8; Length 162;
Best Local Similarity 76.3%; Pred. No. 0.0042;
Matches 45; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
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Qy      1 GGATCCACCGCGCGCGCTGCGACGAGTGACGTCGCGCCCGACACGCGCCCGCTCC 59
Db      138 GGTTTACCGCTCCGCGCGCTCAGGTGTACTCTGCTCCGACACCCGCTCCGCTCC 80
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RESULT 5
US-10-057-136-2
/ Sequence 2, Application US/10057136
/ Publication No. US20030021770A1
/ GENERAL INFORMATION:
/ APPLICANT: SCHLOM, JEFFREY
/ APPLICANT: KANTOR, JUDITH
/ APPLICANT: KUFE, DONALD
/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: PCT/US98/03693
/ PRIOR FILING DATE: 1998-02-24
/ PRIOR APPLICATION NUMBER: 60/038,253
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 2
/ LENGTH: 60
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-057-136-2
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Query Match          58.3%; Score 35; DB 5; Length 60;
Best Local Similarity 74.6%; Pred. No. 0.018;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
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Qy      1 GGATCCACCGCGCGCGCTGCGACGAGTGACGTCGCGCCCGACACGCGCCCGCTCC 59
Db      1 GGCTTCACGCGCGCGCGCGCTCAGGTGTACTCTGCTCCGACACCCGCTCCGCTCC 59
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RESULT 6
US-10-057-136-13
/ Sequence 13, Application US/10057136
/ Publication No. US20030021770A1
/ GENERAL INFORMATION:
/ APPLICANT: SCHLOM, JEFFREY
/ APPLICANT: KANTOR, JUDITH
/ APPLICANT: KUFE, DONALD
/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
```

;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR APPLICATION NUMBER: 60/038,253
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 13
;; LENGTH: 78
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 55.7%; Score 33.4; DB 5; Length 78;
Best Local Similarity 72.9%; Pred. No. 0.06;
Matches 43; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 1 GGATCCACCGCGCGCTGGCGACGAGTGACGTGCGCGCCCGACACGCGCCCGCTCC 59
DB 1 GGCTCCACCGCGCGCCCGACGCGGTGTCACTCGGCGCCCGACACGAGCGGCGCC 59

RESULT 7
US-10-057-136-14
;; Sequence 14, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH
;; APPLICANT: KUPF, DONALD
;; APPLICANT: PANICALI, DENNIS
;; APPLICANT: GRITZ, LINDA
;; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
;; FILE REFERENCE: 700953/47113C
;; CURRENT APPLICATION NUMBER: US/10/057,136
;; CURRENT FILING DATE: 2002-01-25
;; PRIOR APPLICATION NUMBER: 09/366,670
;; PRIOR FILING DATE: 1999-08-03
;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 14
;; LENGTH: 60
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-14

Query Match 53.3%; Score 32; DB 5; Length 60;
Best Local Similarity 73.2%; Pred. No. 0.19;
Matches 41; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 GGATCCACCGCGCGCTGGCGACGAGTGACGTGCGCGCCCGACACGCGCCCGC 56
DB 1 GGCTCCACCGCGCGCCCGACGCGGTGTCACTCGGCGCCCGACACAGCGCCGC 56

RESULT 8
US-10-057-136-6
;; Sequence 6, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH
;; APPLICANT: KUPF, DONALD
;; APPLICANT: PANICALI, DENNIS
;; APPLICANT: GRITZ, LINDA
;; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
;; FILE REFERENCE: 700953/47113C
;; CURRENT APPLICATION NUMBER: US/10/057,136

Query Match 53.3%; Score 32; DB 5; Length 60;
Best Local Similarity 73.2%; Pred. No. 0.19;
Matches 41; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

;; CURRENT FILING DATE: 2002-01-25
;; PRIOR APPLICATION NUMBER: 09/366,670
;; PRIOR FILING DATE: 1999-08-03
;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR APPLICATION NUMBER: 60/038,253
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 6
;; LENGTH: 60
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-6

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.22;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1 GGATCCACCGCGCGCGCTGGCGACGAGTGACGTGCGCGCCCGACACGCGCCCGCTCC 59
DB 1 GGCTCCACGAGCTCTCGCGCTCATGGGGTTACTTGTCTCCAGATACCTGCGCCAGCTCC 59

RESULT 9
US-10-057-136-8
;; Sequence 8, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH
;; APPLICANT: KUPF, DONALD
;; APPLICANT: PANICALI, DENNIS
;; APPLICANT: GRITZ, LINDA
;; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
;; FILE REFERENCE: 700953/47113C
;; CURRENT APPLICATION NUMBER: US/10/057,136
;; CURRENT FILING DATE: 2002-01-25
;; PRIOR APPLICATION NUMBER: 09/366,670
;; PRIOR FILING DATE: 1999-08-03
;; PRIOR APPLICATION NUMBER: PCT/US98/03693
;; PRIOR FILING DATE: 1998-02-24
;; PRIOR FILING DATE: 1997-02-24
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 8
;; LENGTH: 60
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-057-136-8

Query Match 53.0%; Score 31.8; DB 5; Length 60;
Best Local Similarity 71.2%; Pred. No. 0.22;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1 GGATCCACCGCGCGCGCTGGCGACGAGTGACGTGCGCGCCCGACACGCGCCCGCTCC 59
DB 1 GGCTCCACCGCGCGCGCGCTGGCGACGAGTGACGTGCGCGCCCGACACGAGCGCGCTGCGCC 59

RESULT 10
US-10-057-136-9
;; Sequence 9, Application US/10057136
;; Publication No. US20030021770A1
;; GENERAL INFORMATION:
;; APPLICANT: SCHLOM, JEFFREY
;; APPLICANT: KANTOR, JUDITH
;; APPLICANT: KUPF, DONALD
;; APPLICANT: PANICALI, DENNIS
;; APPLICANT: GRITZ, LINDA
;; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1

```

? TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
? FILE REFERENCE: 700953/47113C
? CURRENT APPLICATION NUMBER: US/10/057,136
? CURRENT FILING DATE: 2002-01-25
? PRIOR APPLICATION NUMBER: 03/366,670
? PRIOR FILING DATE: 1999-08-03
? PRIOR APPLICATION NUMBER: PCT/US98/03693
? PRIOR FILING DATE: 1998-02-24
? PRIOR APPLICATION NUMBER: 60/038,253
? PRIOR FILING DATE: 1997-02-24
? NUMBER OF SEQ ID NOS: 20
? SOFTWARE: Patentin Ver. 2.1
? SEQ ID NO 9
? LENGTH: 60
? TYPE: DNA
? ORGANISM: Homo sapiens
US-10-057-136-9

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Query Match	53.0%;	Score 31.8;	DB 5;	length 60;
Best Local Similarity	71.2%;	Pred. No. 0.22;		
Matches 42;	Conservative	0;	Mismatches 17;	Indels 0;
			Gaps	0;

Oy 1 GGATTCACCGCGCGCCGCTGCGCACGGAGTACGTGGCGCGCCCGACACGCGCCCGCTCC 55
 Db 1 GGAAGTACCGCTCCACTGACACCGGGGTCAACAAGCGCGCCAGACACTCGACTTGGGCC 55

RESULT 11

US-10-057-136-10
; Sequence 10, Application US/10057136
; Publication No. US20030021770A1
COMMUNICATIONS

APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA

```

; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC
;
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN

```

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; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2008-11-07

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; CURRENT FILING DATE: 2002-01-25
 ; PRIOR APPLICATION NUMBER: 09/366,670
 ; PRIOR FILING DATE: 2000-03-03

PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/036933
PRIOR FILING DATE: 1998-02-24

PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24

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; NUMBER OF SEQ ID NOS: 20
;
; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 10
;
; LENGTH: 60

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TYPE: DNA
ORGANISM: Homo sapiens

US-10-057-136-10

Query Match	Score	DB	Length
53.04	31.8	5	60

Best Local Similarity 71.2%; Pred. No. 0.22;
Matches 42; Conservative 0; Mismatches 17; Indels 0; Gaps 0

Oy 1 GGATCCACCGCGCCGCTGCGCAGGAGTGAAGTGGCGCCCGGACACAGCGCCCGCTCC 5
 Db 1 GGATGACTGCCCCCTCCGCGCATGGTGTGACCTCAGCTCTGACACAAGGCCAGCCCC 5

RESULT 12
US-10-057

; Sequence 7, Application US/10057136
; Publication No. US20030021770A1

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; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY

```

APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD

```

/ APPLICANT: PANICALI, DENNIS
/ APPLICANT: GRITZ, LINDA
/ TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
/ TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
/ FILE REFERENCE: 700953/47113C
/ CURRENT APPLICATION NUMBER: US/10/057,136
/ CURRENT FILING DATE: 2002-01-25
/ PRIOR APPLICATION NUMBER: 09/366,670
/ PRIOR FILING DATE: 1999-08-03
/ PRIOR APPLICATION NUMBER: PCT/US98/03693
/ PRIOR FILING DATE: 1998-02-24
/ PRIOR APPLICATION NUMBER: 60/038,253
/ PRIOR FILING DATE: 1997-02-24
/ NUMBER OF SEQ ID NOS: 20
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO: 7
/ LENGTH: 60
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-10-057-136-7

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Query Match	50.3%	Score	30.2	DB	5	Length	60
Best Local Similarity	69.5%	Score	No. 0.77				
Matches	41	Conservative	0	Mismatches	18	Indels	0
						Gaps	0

Qy 1 GGATTCACCGCGCGCGCTGCAGCAGGAGTGAAGTTCGCGCGCCGACACAGCGCCCGCTCC 59

Db 1 GGTTGACAGCGCCCCCTGCTCAAGGTATACATTCGCCCCGGATACACAGACCGGCCCC 59

RESULT 13

US-09-864-864-258
; Sequence 258, Application US/09864864
; Patent No. US20020102679A1
CENTRAL INTELLIGENCE AGENCY

GENERAL INFORMATION:
APPLICANT: Xu, Jian
APPLICANT: Mitchell

APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, David C.

APPLICANT: Secrist, Heather
 Address: Michael J.

APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steve P.

APPLICANT: Mannion, Jane
APPLICANT: Benson, Darin R

APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITE

```

; TITLE OF INVENTION:  AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE:  210121.523

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; CURRENT APPLICATION NUMBER: US/09/864,864
; CURRENT FILING DATE: 2001-05-23

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; NUMBER OF SEQ ID NOS: 341
; SOFTWARE: Corixa Invention Disclosure Database

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; SEQ ID NO 258
; LENGTH: 164
; TYPE: DNA

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;
; TYPE: DNA
; ORGANISM: Homo sapiens
FEATURE

```

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FEATURES:
NAME/KEY: misc_feature
LOCATION: (1) (164)

```

LOCATION: (1/... (103/
OTHER INFORMATION: n = A, T, C or G
TIS-09-864-864-258

Query Match Similarity	50.0%	Score 30;	DB 3;	Length 164;
Best Local Similarity	78.3%	Pred. No.	0.72;	
Matches 36;	Conservative	0;	Mismatches 10;	Indels 0;
			Gaps	0

Qy 1 GGATCCACCGCGCCGCTGCGCACCGAGTGAAGTCGGCGCCGACA 46
42 GGCTCCACGCGCCCGCCAGCCACGGTGTCACTCGGCGCCGACA 87
Db

RESULT 14

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US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41

Query Match 42.3%; Score 25.4; DB 9; Length 328;
Best Local Similarity 64.4%; Pred. No. 12;
Matches 38; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 1 GCAGTACTGCACACCGGACATGCGTAACTACAGACCTGATCAAGACTGCACCT 59
DB 95 GGCTCCACCGCGCCGCGACCGACCGGTGTACCTCGGCCCGGACACAGCGCGGCC 153

RESULT 3
US-10-995-561-12880
; Sequence 12880, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12880
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12880

Query Match 39.7%; Score 23.8; DB 8; Length 201;
Best Local Similarity 62.7%; Pred. No. 43;
Matches 37; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 2 GCAGTACTGCACACCGGACATGCGTAACTACAGACCTGATCAAGACTGCACCT 60
DB 18 GCAGACGCGCTTCACAGACACGCGGCGCTTACTGCGCTCTGTATCAACTCCCCCACT 76

RESULT 4
US-10-995-561-13000
; Sequence 13000, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561

; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13000
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13000

Query Match 39.7%; Score 23.8; DB 8; Length 201;
Best Local Similarity 62.7%; Pred. No. 43;
Matches 37; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 2 GCAGTACTGCACACCGGACATGCGTAACTACAGACCTGATCAAGACTGCACCT 60
DB 18 GCAGACGCGCTTCACAGACACGCGGCGCTTACTGCGCTCTGTATCAACTCCCCCACT 76

RESULT 5
US-10-995-561-13026
; Sequence 13026, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13026
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13026

Query Match 39.7%; Score 23.8; DB 8; Length 201;
Best Local Similarity 62.7%; Pred. No. 43;
Matches 37; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 2 GCAGTACTGCACACCGGACATGCGTAACTACAGACCTGATCAAGACTGCACCT 60
DB 18 GCAGACGCGCTTCACAGACACGCGGCGCTTACTGCGCTCTGTATCAACTCCCCCACT 76

RESULT 6
US-10-995-561-13086
; Sequence 13086, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13086
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13086

Query Match 39.7%; Score 23.8; DB 8; Length 201;
Best Local Similarity 62.7%; Pred. No. 43;
Matches 37; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 2 GCAGTACTGCACACCGGACATGCGTAACTACAGACCTGATCAAGACTGCACCT 60
DB 18 GCAGACGCGCTTCACAGACACGCGGCGCTTACTGCGCTCTGTATCAACTCCCCCACT 76

Db 18 GCAGACGCGCTTACAGACACGCGGCGCTTACTGCGCTCTGTGTACACTCCCCCACT 76

RESULT 7

US-11-108-172-341

Sequence 341, Application US/11108172

Publication No. US20050260177A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Lodes, Michael J.

APPLICANT: Secrist, Heather

APPLICANT: Benson, Darin R.

APPLICANT: Meagher, Madeline Joy

APPLICANT: Stolk, John A.

APPLICANT: Wang, Tongtong

APPLICANT: Jiang, Yugu

APPLICANT: Smith, Carole L.

APPLICANT: King, Gordon E.

APPLICANT: Wang, Aljun

APPLICANT: Clapper, Jonathan D.

APPLICANT: Skeiky, Yasir A. W.

APPLICANT: Fanger, Gary R.

APPLICANT: Vedvick Thomas S.

APPLICANT: Carter, Darrick

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE

FILE REFERENCE: 210121.471C15

CURRENT APPLICATION NUMBER: US/11/108,172

CURRENT FILING DATE: 2005-04-15

PRIOR APPLICATION NUMBER: US 10/025,380

PRIOR FILING DATE: 2001-12-19

PRIOR APPLICATION NUMBER: US 09/922,217

PRIOR FILING DATE: 2001-08-03

PRIOR APPLICATION NUMBER: US 09/833,263

PRIOR FILING DATE: 2001-04-10

PRIOR APPLICATION NUMBER: US 09/649,811

PRIOR FILING DATE: 2000-08-28

PRIOR APPLICATION NUMBER: US 09/609,448

PRIOR FILING DATE: 2000-06-29

PRIOR APPLICATION NUMBER: US 09/575,251

PRIOR FILING DATE: 2000-05-19

PRIOR APPLICATION NUMBER: US 09/519,444

PRIOR FILING DATE: 2000-03-06

PRIOR APPLICATION NUMBER: US 09/504,629

PRIOR FILING DATE: 2000-02-15

PRIOR APPLICATION NUMBER: US 09/480,321

PRIOR FILING DATE: 2000-01-10

PRIOR APPLICATION NUMBER: US 09/476,296

PRIOR FILING DATE: 1999-12-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 1130

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 341

LENGTH: 400

TYPE: DNA

ORGANISM: Homo sapiens

US-11-108-172-341

Query Match 39.7%; Score 23.8; DB 14; Length 400;

Best Local Similarity 62.7%; Pred. No. 47;

Matches 37; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

Db 37 GGAAGGACACACGACGCGTGTCTTCAACATCAACCCCAACAGACCTCGGCG 59

1 GCGAGTCTGCACACCGGACATGGGTAACTACGACTGATCAAGACCTGCACCC 59

US-10-932-182A-4101

Sequence 4101, Application US/10932182A

Publication No. US20060046253A1

GENERAL INFORMATION:

APPLICANT: NAKAO, YOSHIHIRO

APPLICANT: NAKAMURA, NORIHISA

APPLICANT: KODAMA, YUKIKO

APPLICANT: FUJIMURA, TOMOKO

APPLICANT: ASHIKARI, TOSHIHIKO

TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS

FILE REFERENCE: 030685-043

CURRENT APPLICATION NUMBER: US/10/932,182A

CURRENT FILING DATE: 2004-09-02

NUMBER OF SEQ ID NOS: 197023

SOFTWARE: PatentIn version 3.3

SEQ ID NO 4101

LENGTH: 342

TYPE: DNA

ORGANISM: Saccharomyces pastorianus

US-10-932-182A-4101

Query Match 39.3%; Score 23.6; DB 9; Length 342;

Best Local Similarity 64.8%; Pred. No. 55;

Matches 35; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Db 165 TTCTTACGACCGGACCTGCTTACAGCTAGCCTGCTGCTTACAGCACC 218

6 TACTGCACCGGACGACATGGCGTAACTACAGCAGCCTGTATCAAGACCTGCACC 59

165 TTCTTACGACCGGACCTGCTTACAGCTAGCCTGCTGCTTACAGCACC 218

US-10-932-182A-4101

Sequence 4101, Application US/10932182A

Publication No. US20060046253A1

GENERAL INFORMATION:

APPLICANT: NAKAO, YOSHIHIRO

APPLICANT: KODAMA, YUKIKO

APPLICANT: FUJIMURA, TOMOKO

APPLICANT: ASHIKARI, TOSHIHIKO

TITLE OF INVENTION: METHODS FOR ANALYZING GENES OF INDUSTRIAL YEASTS

FILE REFERENCE: 030685-043

CURRENT APPLICATION NUMBER: US/10/932,182A

CURRENT FILING DATE: 2004-09-02

NUMBER OF SEQ ID NOS: 197023

SOFTWARE: PatentIn version 3.3

SEQ ID NO 4101

LENGTH: 342

TYPE: DNA

ORGANISM: Saccharomyces pastorianus

US-10-932-182A-4101

Query Match 39.3%; Score 23.6; DB 9; Length 342;

Best Local Similarity 64.8%; Pred. No. 55;

Matches 35; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Db 165 TTCTTACGACCGGACCTGCTTACAGCTAGCCTGCTGCTTACAGCACC 218

6 TACTGCACCGGACGACATGGCGTAACTACAGCAGCCTGTATCAAGACCTGCACC 59

165 TTCTTACGACCGGACCTGCTTACAGCTAGCCTGCTGCTTACAGCACC 218

US-10-301-480-256472/C

Sequence 256472, Application US/10301480

Publication No. US20060057564A1

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms

FILE REFERENCE: 108827.137

CURRENT APPLICATION NUMBER: US/10/301,480

CURRENT FILING DATE: 2002-11-21

PRIOR APPLICATION NUMBER: US 10/215,598

PRIOR FILING DATE: 2002-08-09

PRIOR APPLICATION NUMBER: US 60/311,695

PRIOR FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 122618

SOFTWARE: FastSeq for Windows Version 4.0

```

; SEQ ID NO 256472
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-256472

Query Match      37.3%; Score 22.4; DB 10; Length 495;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      1 GGCAGTACTGCACACCGGCACATGCGTAACTACATGACACCTGATACAGACTTCG 56
Db      162 GGCAGTCTGCGCCACCTGAATTGACTGATCTGAAGCCCTTCTCTAGGATGC 107

RESULT 11
US-10-301-480-256473/c
; Sequence 256473, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 256473
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-256473

Query Match      37.3%; Score 22.4; DB 10; Length 495;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      1 GGCAGTACTGCACACCGGCACATGCGTAACTACATGACACCTGATACAGACTTCG 56
Db      162 GGCAGTCTGCGCCACCTGAATTGACTGATCTGAAGCCCTTCTCTAGGATGC 107

RESULT 12
US-10-301-480-869881/c
; Sequence 869881, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 869881
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-869881

Query Match      37.3%; Score 22.4; DB 10; Length 495;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
```

```

Qy      1 GGCAGTACTGCACACCGGCACATGCGTAACTACATGACACCTGATACAGACTTCG 56
Db      162 GGCAGTCTGCGCCACCTGAATTGACTGATCTGAAGCCCTTCTCTAGGATGC 107

RESULT 13
US-10-301-480-869882/c
; Sequence 869882, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 869882
; LENGTH: 495
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-869882

Query Match      37.3%; Score 22.4; DB 10; Length 495;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      1 GGCAGTACTGCACACCGGCACATGCGTAACTACATGACACCTGATACAGACTTCG 56
Db      162 GGCAGTCTGCGCCACCTGAATTGACTGATCTGAAGCCCTTCTCTAGGATGC 107

RESULT 14
US-09-925-065A-164106/c
; Sequence 164106, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 164106
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-164106

Query Match      37.3%; Score 22.4; DB 6; Length 496;
Best Local Similarity 62.5%; Pred. No. 1.6e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy      1 GGCAGTACTGCACACCGGCACATGCGTAACTACATGACACCTGATACAGACTTCG 56
Db      162 GGCAGTCTGCGCCACCTGAATTGACTGATCTGAAGCCCTTCTCTAGGATGC 107
```

Db 163 GGCACTGCTGCCCCACCTGAATTGACTGATCTGAAGCCCTTGCTCTAGGATGC 108

RESULT 15

US-09-925-065A-164107/C
; Sequence 164107, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: PasteSeq for Windows Version 4.0
; SEQ ID NO 164107
; LENGTH: 496
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-164107

Query Match 37.3%; Score 22.4; DB 6; Length 496;
Best Local Similarity 62.5%; Pred. NO. 1.6e+02;
Matches 35; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
QY 1 GGCACTGCTGCCCCACCTGAATTGACTGATCTGAAGCCCTTGCTCTAGGATGC 56
Db 163 GGCACTGCTGCCCCACCTGAATTGACTGATCTGAAGCCCTTGCTCTAGGATGC 108

Search completed: March 27, 2006, 14:47:10
Job time : 321.3 secs

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; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-2920

```

Query Match	45.0%	Score 27	DB 3	Length 222
Best Local Similarity	66.1%	Pred. No. 37		
Matches 39	Conservative 0	Mismatches 20	Gaps 0	

Qy 1 GGATCCACCGGCGCCGCTGGCGCAACGAGTGCATGTGGCGGCCGAACGCGGCCGCTCC 59
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 178 GCATCCAGCGCACACACTGGGGGACGAAGCCAAAGCCGGGGCCGCCCGTCGCCCAGTCC 120

```

RESULT 3
US-09-252-991A-441
; Sequence 441, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS.
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PENDING FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 441
; LENGTH: 357
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-441

```

Query	1	GGATTCACCGCGCGCCCTGCGCAGCGAATGACGTGCGCGCCCGACACCGCGCCCGCTCCC	60
Best Local Match	41.3%	Score 24.8; DB 3	Length 357;
Similarity	63.3%	Pred. No. 1.5e+02	
Matches	38;	Conservative	0; Mismatches 22; Indels 0; Gaps 0;
Db	252	GGACTCTTCAGAGCGGCTTGCCCGCGCTGTGAGAGCTGCGGCGTCACGCAACCCCACTCC	311

```

RESULT 4
US-09-252-991A-2229
; Sequence 2229, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 2229
; LENGTH: 333
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-2229

```

QY	8	CCGCGCGCCCTGCGCAGCAAGTGAAGTGGCGCGCCCGGACACGCGCCCGCTCCC	60
Db	114	CTGGCGCCCTGCGCGCCCGCAGATGGCGAATGTCTCAGCAGCGCGCCCTGCTCCC	166
Query Match 40.3%; Score 24.2; DB 3 Length 333; Best Local Similarity 66.0%; Pred. No. 2+02; Matches 35; Conservative 0; Mismatches 18; Indels 0; Gaps 0;			

Db 114 CTGGCGCTGCTGCCGCCGCGAGTGGCCGATTGCTCGACGACGGCGCCCTGCTCCC 166

```

RESULT 5
US-09-902-540-4254/c
: Sequence 4254, Application US/0902540
: Patent No. 6833447
:
: GENERAL INFORMATION:
: APPLICANT: Goldman, Barry S.
: APPLICANT: Hinkle, Gregory J.
: APPLICANT: Slater, Steven C.
: APPLICANT: Wiegand, Roger C.
: TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
: FILE REFERENCE: 38-10(15849)B
:
: CURRENT APPLICATION NUMBER: US/09/902,540
: CURRENT FILING DATE: 2001-07-10
: PRIOR APPLICATION NUMBER: 60/217,883
: PRIOR FILING DATE: 2000-07-10
: NUMBER OF SEQ ID NOS: 16825
: SEQ ID NO 4254
: LENGTH: 462
: TYPE: DNA
: ORGANISM: Myxococcus xanthus
:
: US-09-902-540-4254

```

Query Match	39.3%	Score	23.6	DB	3	Length	462
Best Local Similarity	64.8%	Pred. No.	3	3e+02			
Matches	35	Conservative	0	Mismatches	19	Indels	0
						Gaps	0

QY 2 GATTCACCGCGCCGCTGTGCGCAGGAGTAGTCGTGGGCCCCGACACGCGCCCC 55
DB 217 GGTCTGTGCTGGCGCCTCTCTCCAGGGTAGCTCGGAGAAAGGTGAGCGCCCC 164

```

RESULT 6
US-09-252-991A-12803/C
: Sequence 12803, Application US/09252991A
: Patent No. 6551795
: GENERAL INFORMATION:
: APPLICANT: Marc J. Rubenfield et al.
: TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
: TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
: FILE REFERENCE: 107196.136
: CURRENT APPLICATION NUMBER: US/09/252,991A
: PRIOR FILING DATE: 1999-02-18
: PRIOR APPLICATION NUMBER: US 60/074,788
: PRIOR FILING DATE: 1998-02-18
: PRIOR APPLICATION NUMBER: US 60/094,190
: PRIOR FILING DATE: 1998-07-27
: NUMBER OF SEQ ID NOS: 33142
: SEQ ID NO 12803
: LENGTH: 444
: TYPE: DNA
: ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12803

```

Query Match	39.0%	Score 23.4	DB 3	Length 444
Best Local Similarity	67.3%	Prod. No. 3.7e+02		
Matches 33	Conservative 0	Mismatches 16	Indels 0	Gaps 0

Qy 4 TCCACCGCGCCGCGCTGCGCAGAGTGAAGTCGGCGCCCGGACACAGCGCC 52

Db 257 TCCAGGCGGAGGCGCGTCGCGCGGATTGACGTCGAGGCGGAAGACGAGAC 209

RESULT 7
 US-09-861-893-74
 : Sequence 74, Application US/0961893
 : Patent No. 6960434
 : GENERAL INFORMATION:
 :
 : APPLICANT: Feinberg, Andrew
 : APPLICANT: Strickman-Almashanu, Liora
 : APPLICANT: Ujang, Shan
 : TITLE OF INVENTION: METHODS FOR ASSAYING GENE IMPRINTING AND

ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.457
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 157:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-056-556-157

Query Match 38.3%; Score 23; DB 3; Length 324;
Best Local Similarity 68.1%; Pred. No. 4.9e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 6 CACCGCGCGCCTGCGCAGAGTACGTCGCGCGCCGACACGCGCC 52
DB 287 CACCGCGCGCGTCGTCACCGAGTACCACTGTGACGACACGCGCC 241

RESULT 12
US-09-072-596-152/c
Sequence 152, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 152:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-072-596-152

Query Match 38.3%; Score 23; DB 3; Length 324;
Best Local Similarity 68.1%; Pred. No. 4.9e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 6 CACCGCGCGCCTGCGCAGAGTACGTCGCGCGCCGACACGCGCC 52
DB 287 CACCGCGCGCGTCGTCACCGAGTACCACTGTGACGACACGCGCC 241

RESULT 13
US-09-072-967-157/c
Sequence 157, Application US/09072967
Patent No. 6592877
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
APPLICANT: Lodes, Michael J.
APPLICANT: Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 157:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-072-967-157

Query Match 38.3%; Score 23; DB 3; Length 324;
Best Local Similarity 68.1%; Pred. No. 4.9e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 6 CACCGCGCGCCTGCGCAGAGTACGTCGCGCGCCGACACGCGCC 52
DB 287 CACCGCGCGCGTCGTCACCGAGTACCACTGTGACGACACGCGCC 241

RESULT 14
US-10-193-002-152/c
Sequence 152, Application US/10193002
Patent No. 6949246
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Dillon, Davin C.
APPLICANT: Campos-Neto, Antonia

Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
TUBERCULOSIS
NUMBER OF SEQUENCES: 350
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/193,002
FILING DATE: 10-Jul-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 152:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 152:
US-10-193-002-152

Query Match 38.3%; Score 23; DB 3; Length 324;
Best Local Similarity 68.1%; Pred. No. 4.9e+02;
Matches 32; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 6 CACCGCGCGCGCTGCGCAGGAGTACGTGCGGCCCGGACACGCGCC 52
DB 287 CACCGCGCGCGCTGCGCAGGAGTACGTGCGGCCCGGACACGCGCC 241

RESULT 15
US-10-084-843-157/c
Sequence 157, Application US/10084843
Patent No. 6962710
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, David C.
Campos-Neto, Antonio
Houghton, Raymond
Vedvick, Thomas S.
Twardzik, Daniel R.
Lodes, Michael J.
Hendrickson, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
AND DIAGNOSIS OF TUBERCULOSIS
NUMBER OF SEQUENCES: 355
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle

STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/084,843
FILING DATE: 25-Feb-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/072,967
FILING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.411C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 157:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 157:
US-10-084-843-157

QY 6 CACCGCGCGCGCTGCGCAGGAGTACGTGCGGCCCGGACACGCGCC 52
DB 287 CACCGCGCGCGCTGCGCAGGAGTACGTGCGGCCCGGACACGCGCC 241

Search completed: March 27, 2006, 16:33:29
Job time : 56.5 secs

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Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:48:29 ; Search time 55.5 Seconds
(without alignments)
1921.688 Million cell updates/sec

Title: US-10-057-136A-4

Perfect score: 1 GGCAGTACTGCACACCGGC.....CTGATCAAGACCTGCACCT 60

Sequence: 1 GGCAGTACTGCACACCGGC.....CTGATCAAGACCTGCACCT 60

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 1790828

Minimum DB seq length: 0

Maximum DB seq length: 500

Database :

Issued Patents NA:*
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2: /cgn2_6/prodata/1/ina/5 COMB.seq:*
3: /cgn2_6/prodata/1/ina/6A COMB.seq:*
4: /cgn2_6/prodata/1/ina/6B COMB.seq:*
5: /cgn2_6/prodata/1/ina/H COMB.seq:*
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8: /cgn2_6/prodata/1/ina/RE COMB.seq:*
9: /cgn2_6/prodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	26.8	44.7	78	3	US-09-304-967-94
2	26.8	44.7	78	3	US-09-304-967-96
3	25.8	43.0	68	3	US-09-304-967-51
4	25.8	43.0	68	3	US-09-304-967-55
5	25.8	43.0	68	3	US-09-304-967-57
6	25.8	43.0	78	3	US-09-304-967-100
7	25.8	43.0	83	3	US-09-304-967-79
8	25.8	43.0	489	3	US-09-270-767-10939
9	25.6	42.7	83	3	US-09-304-967-75
10	25.2	42.0	68	3	US-09-304-967-53
11	24.8	41.3	48	3	US-09-304-967-47
12	24.8	41.3	48	3	US-09-304-967-67
13	24.8	41.3	48	3	US-09-304-967-90
14	24.8	41.3	68	3	US-09-304-967-49
15	24.8	41.3	78	3	US-09-304-967-92
16	24.8	41.3	78	3	US-09-304-967-98
17	24.8	41.3	78	3	US-09-304-967-102
18	24.8	41.3	83	3	US-09-304-967-69
19	24.8	41.3	83	3	US-09-304-967-71
20	24.8	41.3	83	3	US-09-304-967-73
21	24.8	41.3	83	3	US-09-304-967-77
22	24.6	41.0	318	3	US-09-489-039A-3181
23	24.2	40.3	60	3	US-09-475-947A-246
24	23.8	39.7	400	3	US-09-401-064-341

C 25	23.8	39.7	463	3	US-09-841-334A-7	Sequence 7, App1
C 26	23.8	39.7	463	3	US-09-837-969A-7	Sequence 7, App1
C 27	23.6	39.3	165	2	US-08-209-747-5	Sequence 5, App1
C 28	23.6	39.3	165	2	US-08-458-298-5	Sequence 5, App1
C 29	23.2	38.7	305	4	US-09-605-703B-1337	Sequence 1337, Ap
C 30	23.2	38.7	305	4	US-09-605-703B-1339	Sequence 1339, Ap
C 31	23	38.3	93	3	US-09-270-767-5702	Sequence 5702, Ap
C 32	23	38.3	93	3	US-09-270-767-5702	Sequence 20984, A
C 33	23	38.0	402	3	US-08-489-039A-3708	Sequence 18, App1
C 34	22.8	38.0	94	3	US-08-464-700-18	Sequence 43, App1
C 35	22.8	38.0	96	3	US-08-464-700-43	Sequence 7333, Ap
C 36	22.8	38.0	349	3	US-09-270-767-7323	Sequence 22615, A
C 37	22.8	38.0	349	3	US-09-270-767-22615	Sequence 67, App1
C 38	22.2	37.0	93	3	US-08-556-978B-67	Sequence 68, App1
C 39	22.2	37.0	93	3	US-08-556-978B-68	Sequence 6722, Ap
C 40	22.2	37.0	293	3	US-09-270-767-6722	Sequence 22004, A
C 41	22.2	37.0	293	3	US-09-270-767-6722	Sequence 82, App1
C 42	22.2	37.0	303	3	US-08-556-978B-82	Sequence 4463, Ap
C 43	22.2	36.7	357	3	US-09-252-991A-4463	Sequence 666, App
C 44	22	36.7	210	3	US-09-328-352-666	Sequence 13123, A
C 45	21.8	36.3	353	3	US-09-513-999C-13123	

ALIGNMENTS

RESULT 1
US-09-304-967-94
Sequence 94, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.
APPLICANT: Bendig, Mary
APPLICANT: Jones, Tim
TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
FILE REFERENCE: DOW-04646
CURRENT APPLICATION NUMBER: US/09/304,967
CURRENT FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: 08/471,048
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 08/612,858
PRIOR FILING DATE: 1996-03-12
PRIOR APPLICATION NUMBER: 08/137,032
PRIOR FILING DATE: 1993-03-18
PRIOR APPLICATION NUMBER: PCT/GB20/00589
PRIOR FILING DATE: 1992-04-02
NUMBER OF SEQ ID NOS: 123
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 94
LENGTH: 78
TYPE: DNA
ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-94
Query Match 44.7%; Score 26.8; DB 3; Length 78;
Best Local Similarity 73.9%; Pred. No. 3.2;
Matches 34; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
Db 4 AACTGTAATGGTGTTACTTCTGCTCTGATACAGACCTGCTCT 49
15 ACCGGCAGTGGGCTATCATGACACCTGATTCAGACCTGACCT 60
US-09-304-967-96
Sequence 96, Application US/09304967
Patent No. 6884623
GENERAL INFORMATION:
APPLICANT: Lomonosoff, George P.
APPLICANT: Johnson, John E.

```

/ APPLICANT: Bendig, Mary
/ APPLICANT: Jones, Tim
/ APPLICANT: Longstaff, Marian
/ TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
/ FILE REFERENCE: DOW-04646
/ CURRENT APPLICATION NUMBER: US/09/304,967
/ CURRENT FILING DATE: 1999-05-05
/ PRIOR APPLICATION NUMBER: 08/471,048
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: 08/612,858
/ PRIOR FILING DATE: 1996-03-12
/ PRIOR APPLICATION NUMBER: 08/137,032
/ PRIOR FILING DATE: 1993-03-18
/ PRIOR APPLICATION NUMBER: PCT/GB20/00589
/ PRIOR FILING DATE: 1992-04-02
/ NUMBER OF SEQ ID NOS: 123
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO: 96
/ LENGTH: 78
/ TYPE: DNA
/ ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-96

```

```

Query Match      44.7%; Score 26.8; DB 3; Length 78;
Best Local Similarity 81.6%; Pred. No. 3.2;
Matches 31; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

QY      23 ATGGCGTAACATCAGACCTGTATACAGACCTGCACCT 60
Db      15 ATGGTGTACTTCTGCTCCTGATCTAGACCTGCTCTCT 52

```

```

RESULT 3
US-09-304-967-51
/ Sequence 51, Application US/09304967
/ Patent No. 6884623
/ GENERAL INFORMATION:
/ APPLICANT: Lomonosoff, George P.
/ APPLICANT: Johnson, John E.
/ APPLICANT: Bendig, Mary
/ APPLICANT: Jones, Tim
/ APPLICANT: Longstaff, Marian
/ TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
/ FILE REFERENCE: DOW-04646
/ CURRENT APPLICATION NUMBER: US/09/304,967
/ CURRENT FILING DATE: 1999-05-05
/ PRIOR APPLICATION NUMBER: 08/471,048
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: 08/612,858
/ PRIOR FILING DATE: 1996-03-12
/ PRIOR APPLICATION NUMBER: 08/137,032
/ PRIOR FILING DATE: 1993-03-18
/ PRIOR APPLICATION NUMBER: PCT/GB20/00589
/ PRIOR FILING DATE: 1992-04-02
/ NUMBER OF SEQ ID NOS: 123
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO: 51
/ LENGTH: 68
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-51

```

```

Query Match      43.0%; Score 25.8; DB 3; Length 68;
Best Local Similarity 81.1%; Pred. No. 7;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

QY      24 TGGCGTAACATCAGACCTGTATACAGACCTGCACCT 60
Db      8 TGGTGTACTTCTGCTCCTGATCTAGACCTGCTCTCT 44

```

```

RESULT 4
US-09-304-967-55
/ Sequence 55, Application US/09304967
/ Patent No. 6884623
/ GENERAL INFORMATION:
/ APPLICANT: Lomonosoff, George P.
/ APPLICANT: Johnson, John E.
/ APPLICANT: Bendig, Mary
/ APPLICANT: Jones, Tim
/ APPLICANT: Longstaff, Marian
/ TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
/ FILE REFERENCE: DOW-04646
/ CURRENT APPLICATION NUMBER: US/09/304,967
/ CURRENT FILING DATE: 1999-05-05
/ PRIOR APPLICATION NUMBER: 08/471,048
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: 08/612,858
/ PRIOR FILING DATE: 1996-03-12
/ PRIOR APPLICATION NUMBER: 08/137,032
/ PRIOR FILING DATE: 1993-03-18
/ PRIOR APPLICATION NUMBER: PCT/GB20/00589
/ PRIOR FILING DATE: 1992-04-02
/ NUMBER OF SEQ ID NOS: 123
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO: 55
/ LENGTH: 68
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-55

```

```

Query Match      43.0%; Score 25.8; DB 3; Length 68;
Best Local Similarity 81.1%; Pred. No. 7;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

QY      24 TGGCGTAACATCAGACCTGTATACAGACCTGCACCT 60
Db      14 TGGTGTACTTCTGCTCCTGATCTAGACCTGCTCTCT 50

```

```

RESULT 5
US-09-304-967-57
/ Sequence 57, Application US/09304967
/ Patent No. 6884623
/ GENERAL INFORMATION:
/ APPLICANT: Lomonosoff, George P.
/ APPLICANT: Johnson, John E.
/ APPLICANT: Bendig, Mary
/ APPLICANT: Jones, Tim
/ APPLICANT: Longstaff, Marian
/ TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
/ FILE REFERENCE: DOW-04646
/ CURRENT APPLICATION NUMBER: US/09/304,967
/ CURRENT FILING DATE: 1999-05-05
/ PRIOR APPLICATION NUMBER: 08/471,048
/ PRIOR FILING DATE: 1995-06-06
/ PRIOR APPLICATION NUMBER: 08/612,858
/ PRIOR FILING DATE: 1996-03-12
/ PRIOR APPLICATION NUMBER: 08/137,032
/ PRIOR FILING DATE: 1993-03-18
/ PRIOR APPLICATION NUMBER: PCT/GB20/00589
/ PRIOR FILING DATE: 1992-04-02
/ NUMBER OF SEQ ID NOS: 123
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO: 57
/ LENGTH: 68
/ TYPE: DNA
/ ORGANISM: Artificial Sequence

```



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; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 75
; LENGTH: 83
; TYPE: DNA
; ORGANISM: Lucerne transient streak virus
US-09-304-967-75
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```

Query Match          42.7%; Score 25.6; DB 3; Length 83;
Best Local Similarity 77.5%; Pred. No. 8.6;
Matches 31; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
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```

QY      21 ACATGGCGTACATCAGCAGCTGATACAGACCTGCACCT 60
DB      15 AAACGGTGTACTTCTGCTCCTGATCTAGACCTGCTCCT 54
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```

RESULT 10
US-09-304-967-53
; Sequence 53, Application US/09304967
; Patent No. 6884623
```

```

; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 53
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-53
```

```

Query Match          42.0%; Score 25.2; DB 3; Length 68;
Best Local Similarity 78.9%; Pred. No. 11;
Matches 30; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
```

```

QY      23 ATGGCGTACATCAGCAGCTGATACAGACCTGCACCT 60
DB      10 AAGGTTACTTCTGCTCCTGATCTAGACCTGCTCCT 47
```

```

RESULT 11
US-09-304-967-47
; Sequence 47, Application US/09304967
; Patent No. 6884623
```

```

; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
```

```

; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 47
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-47
```

```

Query Match          41.3%; Score 24.8; DB 3; Length 48;
Best Local Similarity 80.6%; Pred. No. 14;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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```

QY      25 GCGTACATCAGCAGCTGATACAGACCTGCACCT 60
DB      1 GGTGTACTTCTGCTCCTGATCTAGACCTGCTCCT 36
```

```

RESULT 12
US-09-304-967-67
; Sequence 67, Application US/09304967
; Patent No. 6884623
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```

; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; CURRENT FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 67
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-67
```

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Query Match          41.3%; Score 24.8; DB 3; Length 48;
Best Local Similarity 80.6%; Pred. No. 14;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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```

QY      25 GCGTACATCAGCAGCTGATACAGACCTGCACCT 60
DB      1 GGTGTACTTCTGCTCCTGATCTAGACCTGCTCCT 36
```

```

RESULT 13
US-09-304-967-90
; Sequence 90, Application US/09304967
; Patent No. 6884623
```

```

; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
```



```

; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 90
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-304-967-90

```

```

Query Match          41.3%; Score 24.8; DB 3; Length 48;
Best Local Similarity 80.6%; Pred. No. 14;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

QY 25 GCGTACATCAGACCTGATACAGACCTGCACCT 60
DB 1 GGTGTACTTCTGCTCTGATACAGACCTGCTCCT 36

```

```

RESULT 14
US-09-304-967-49
; Sequence 49, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 49
; LENGTH: 68
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-304-967-49

```

```

Query Match          41.3%; Score 24.8; DB 3; Length 68;
Best Local Similarity 80.6%; Pred. No. 16;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

```

```

QY 25 GCGTACATCAGACCTGATACAGACCTGCACCT 60
DB 6 GGTGTACTTCTGCTCTGATACAGACCTGCTCCT 41

```

```

RESULT 15
US-09-304-967-92
; Sequence 92, Application US/09304967
; Patent No. 6884623
; GENERAL INFORMATION:
; APPLICANT: Lomonosoff, George P.
; APPLICANT: Johnson, John E.
; APPLICANT: Bendig, Mary
; APPLICANT: Jones, Tim
; APPLICANT: Longstaff, Marian
; TITLE OF INVENTION: Modified Plant Viruses as Vectors of Heterologous
; TITLE OF INVENTION: Peptides
; FILE REFERENCE: DOW-04646
; CURRENT APPLICATION NUMBER: US/09/304,967
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: 08/471,048
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: 08/612,858
; PRIOR FILING DATE: 1996-03-12
; PRIOR APPLICATION NUMBER: 08/137,032
; PRIOR FILING DATE: 1993-03-18
; PRIOR APPLICATION NUMBER: PCT/GB20/00589
; PRIOR FILING DATE: 1992-04-02
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 92
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Red clover necrotic mosaic virus
US-09-304-967-92

```

```

Query Match          41.3%; Score 24.8; DB 3; Length 78;
Best Local Similarity 80.6%; Pred. No. 16;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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```

QY 25 GCGTACATCAGACCTGATACAGACCTGCACCT 60
DB 11 GGTGTACTTCTGCTCTGATACAGACCTGCTCCT 46

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Search completed: March 27, 2006, 16:33:32
Job time : 55.5 secs

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GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:49:57 ; Search time 371.4 Seconds
(without alignments)
1335.925 Million cell updates/sec

Title: US-10-057-136a-4

Perfect score: 60
Sequence: 1 GGCAGTACTGCACCAACCGGC.....CTGATACAGACCTGCACCT 60

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 14089978

Minimum DB seq length: 0

Maximum DB seq length: 5006

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_NA_Main:
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2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
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10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	60	US-10-057-136-4	Sequence 4, Appl1
2	37.6	62.7	60	US-10-057-136-12	Sequence 12, Appl1
3	35.4	59.0	60	US-10-057-136-10	Sequence 10, Appl1
4	33.4	55.7	60	US-10-057-136-8	Sequence 8, Appl1
5	33.4	55.3	60	US-10-057-136-9	Sequence 9, Appl1
6	33.2	55.3	60	US-10-057-136-7	Sequence 7, Appl1
7	29	48.3	60	US-10-057-136-11	Sequence 11, Appl1
8	27.4	45.7	60	US-10-057-136-6	Sequence 6, Appl1
9	27	45.0	60	US-10-057-136-2	Sequence 2, Appl1
10	27	45.0	78	US-10-057-136-13	Sequence 13, Appl1
11	27	45.0	120	US-10-057-136-1	Sequence 1, Appl1
12	27	45.0	162	US-10-057-136-11-8	Sequence 8, Appl1
13	26.4	44.0	389	US-09-918-995-37681	Sequence 37681, A
14	25.8	43.0	201	US-10-741-600-70616	Sequence 70616, A
15	25.6	42.7	60	US-10-057-136-14	Sequence 14, Appl1
16	25.4	42.3	153	US-10-425-115-159235	Sequence 159235, A
17	25.4	42.3	251	US-09-468-147-19	Sequence 19, Appl1
18	25.4	42.3	251	US-10-319-745-19	Sequence 19, Appl1
19	25.2	42.0	381	US-10-021-323-17015	Sequence 17015, A
20	24.8	41.3	148	US-10-767-701-29006	Sequence 29006, A
21	24.8	41.3	382	US-10-425-115-71265	Sequence 71265, A
22	24.6	41.0	457	US-09-864-761-3110	Sequence 3110, Ap
23	24.4	40.7	209	US-10-425-115-3586	Sequence 3586, Ap

24	24.2	40.3	60	US-10-057-136-5	Sequence 5, Appl1
25	23.8	39.7	93	US-10-471-607-4	Sequence 4, Appl1
26	23.8	39.7	157	US-10-471-607-6	Sequence 6, Appl1
27	23.8	39.7	400	US-09-815-343-1120	Sequence 1120, Ap
28	23.8	39.7	400	US-09-922-217-341	Sequence 341, App
29	23.8	39.7	400	US-09-833-263-341	Sequence 341, App
30	23.8	39.7	400	US-10-025-380-341	Sequence 341, App
31	23.8	39.7	400	US-10-025-380-341	Sequence 341, App
32	23.8	39.7	430	US-10-097-105-1120	Sequence 1120, Ap
33	23.8	39.7	455	US-09-918-995-29395	Sequence 29395, A
34	23.8	39.7	463	US-09-837-966A-7	Sequence 20411, A
35	23.8	39.7	463	US-09-841-321A-7	Sequence 7, Appl1
36	23.6	39.3	60	US-10-716-293-214	Sequence 214, App
37	23.6	39.3	233	US-09-864-761-18699	Sequence 18699, A
38	23.6	39.3	261	US-10-282-122A-36430	Sequence 36430, A
39	23.6	39.3	384	US-10-282-122A-38156	Sequence 38156, A
40	23.4	39.0	70	US-10-403-232-34	Sequence 34, Appl1
41	23.4	39.0	204	US-10-074-566-92	Sequence 92, Appl1
42	23.4	39.0	204	US-10-074-566-93	Sequence 93, Appl1
43	23.4	39.0	285	US-10-403-232-37	Sequence 37, Appl1
44	23.4	39.0	399	US-10-074-566-91	Sequence 91, Appl1
45	23.4	39.0	403	US-10-074-566-83	Sequence 83, Appl1

ALIGNMENTS

```
RESULT 1
US-10-057-136-4
; Sequence 4, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLON, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MOC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-4
Query Match      100.0%; Score 60; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 4.3e-11;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      1 GGCAGTACTGCACCAACCGGCATGCGCTGATACGACCTGATACAGACCTGCACCT 60
DB      1 GGCAGTACTGCACCAACCGGCATGCGCTGATACGACCTGATACAGACCTGCACCT 60
RESULT 2
US-10-057-136-12
; Sequence 12, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLON, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
```

APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 12
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-12

Query Match 62.7%; Score 37.6; DB 5; Length 60;
Best Local Similarity 76.7%; Pred. No. 0.0026;
Matches 46; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGACACCGGACATGCGTAAATCAGCACTGATACAGACTTCGACCT 60
Db 1 GGAATGACGCGCCGACCGGACATGCGTCAAGAGCGCTCCGATACGAGACCGGCGCT 60

RESULT 3
US-10-057-136-10
Sequence 10, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHIOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-10

Query Match 59.0%; Score 35.4; DB 5; Length 60;
Best Local Similarity 79.2%; Pred. No. 0.015;
Matches 42; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 7 ACTGCACACCGGACATGCGTAAATCAGCACTGATACAGACTTCGACCT 59
Db 7 ACTGCCCTCCGCGCATGTGTGACCTCAGCTCCGACAGAGGCAAGGCCCC 59

RESULT 4
US-10-057-136-8
Sequence 8, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:

APPLICANT: SCHIOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 8
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-8

Query Match 55.7%; Score 33.4; DB 5; Length 60;
Best Local Similarity 72.9%; Pred. No. 0.075;
Matches 43; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGACACCGGACATGCGTAAATCAGCACTGATACAGACTTCGACCT 59
Db 1 GGCAGCACCGGACCGGCGGACGCGGATCAAGCGGCGGACAGACTTCGACCTGCGCC 59

RESULT 5
US-10-057-136-9
Sequence 9, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHIOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFE, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-9

Query Match 55.7%; Score 33.4; DB 5; Length 60;
Best Local Similarity 72.9%; Pred. No. 0.075;
Matches 43; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGACACCGGACATGCGTAAATCAGCACTGATACAGACTTCGACCT 59
Db 1 GGAATGACGCGCCGACCGGACATGCGTCAAGAGCGGCGGACAGACTTCGACCTGCGCC 59

RESULT 6
US-10-057-136-7

```
; Sequence 7, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-7
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```
Query Match 55.3%; Score 33.2; DB 5; Length 60;
Best Local Similarity 75.9%; Pred. No. 0.087;
Matches 41; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
```

```
Qy 7 ACTGCACCCGCGACATGCGTAACTACAGACCTGATACAGACCTGACCT 60
Db 7 ACGGCCCCCTCTGCTACGCTGTAACATCCGCCGATACAGACCGGCCCCCT 60
```

```
RESULT 7
US-10-057-136-11
; Sequence 11, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 11
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-11
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```
Query Match 48.3%; Score 29; DB 5; Length 60;
Best Local Similarity 71.7%; Pred. No. 2.5;
Matches 38; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
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```
Qy 7 ACTGCACCCGCGACATGCGTAACTACAGACCTGATACAGACCTGACCT 59
Db 7 ACGGCACTCCAGCAACGAGATCACTTGCACCCGATCCAGACCCGCTCC 59
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RESULT 8
US-10-057-136-6
; Sequence 6, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-6
```

```
Query Match 45.7%; Score 27.4; DB 5; Length 60;
Best Local Similarity 69.8%; Pred. No. 9;
Matches 37; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
```

```
Qy 7 ACTGCACCCGCGACATGCGTAACTACAGACCTGATACAGACCTGACCT 59
Db 7 ACGCTCTCCGCGCTCATGCGGTACTTCTGCTCCAGATACATCGGCCAGCTCC 59
```

```
RESULT 9
US-10-057-136-2
; Sequence 2, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-2
```

```
Query Match 45.0%; Score 27; DB 5; Length 60;
Best Local Similarity 66.1%; Pred. No. 12;
Matches 39; Conservative 0; Mismatches 20; Indels 0; Gaps 0;
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```
Qy 1 GCGACTACGACCAACCGGACATGCGTAACTACAGACCTGATACAGACCTGACCT 59
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Db 1 GGCTCCACCGCCCCCGGACCGGATGTCACCTCGGCCCCGGACACCGCGGCCCC 59

RESULT 10
US-10-057-136-13
; Sequence 13, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUPF, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/166,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 78
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 45.0%; Score 27; DB 5; Length 78;
Best Local Similarity 66.1%; Pred. No. 13;
Matches 39; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGCACCGGACGATGGCGTAACATCAGCACTGATCAAGACCTGCACC 59
Db 1 GGCTCCACCGGCCCCCGGACCGGATGTCACCTCGGCCCCGGACACCGCGGCCCC 59

RESULT 11
US-10-635-211-3
; Sequence 3, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; FILE REFERENCE: FP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; CURRENT FILING DATE: 2003-08-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 120
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(120)
US-10-635-211-3

Query Match 45.0%; Score 27; DB 8; Length 120;
Best Local Similarity 66.1%; Pred. No. 14;
Matches 39; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGCACCGGACGATGGCGTAACATCAGCACTGATCAAGACCTGCACC 59
Db 1 GGTTCTACCGCTCCGCGGCTACGGTGTACTCTGCTCCGGACACCGGCTCC 59

RESULT 12
US-10-635-211-8/c
; Sequence 8, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; FILE REFERENCE: FP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; CURRENT FILING DATE: 2003-08-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 162
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-635-211-8

Query Match 45.0%; Score 27; DB 8; Length 162;
Best Local Similarity 66.1%; Pred. No. 15;
Matches 39; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGCACCGGACGATGGCGTAACATCAGCACTGATCAAGACCTGCACC 59
Db 138 GGTTCTACCGCTCCGCGGCTCACGGTGTACTCTGCTCCGGACACCGGCTCC 80

RESULT 13
US-09-918-995-37681
; Sequence 37681, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hysag, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 37681
; LENGTH: 389
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-37681

Query Match 44.0%; Score 26.4; DB 3; Length 389;
Best Local Similarity 65.0%; Pred. No. 29;
Matches 39; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

Qy 1 GGCAGTACTGCACCGGACGATGGCGTAACATCAGCACTGATCAAGACCTGCACC 60
Db 315 GGTTGAGGAGCCCTCCGACACTTGTGGCCACACCACTGGGAGAGGCCCTTACCT 374

RESULT 14
US-10-741-600-70616
; Sequence 70616, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 70616
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-70616

Query Match 43.0%; Score 25.8; DB 8; Length 201;
Best Local Similarity 65.5%; Pred. No. 41;
Matches 36; Conservative 1; Mismatches 18; Indels 0; Gaps 0;

QY 1 GGCAGTACTGCACACCGGACATGGGCTAACATCAGCACCCTGATACAGACCTG 55
DB 91 GGCTGGGCTGCGCATCCACCTGTAGTACATGATGTCTGGGGCAACACCTG 145

RESULT 15

US-10-057-136-14
; Sequence 14, Application US/10057136
; Publication No. US2003021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUE, DONALD
; APPLICANT: PANICLI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-14

Query Match 42.7%; Score 25.6; DB 5; Length 60;
Best Local Similarity 66.1%; Pred. No. 38;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 1 GGCAGTACTGCACACCGGACATGGGCTAACATCAGCACCCTGATACAGACCTG 56
DB 1 GGCTCCACCGCCGCCCGGACCATGTGTCACTCGGCCCGGACACAGGCCCGC 56

Search completed: March 27, 2006, 17:07:50
Job time : 372.4 secs

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OM nucleic - nucleic search, using sw model

Run on: March 27, 2006, 13:53:26 ; Search time 321.3 Seconds
(without alignments)
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Title: US-10-057-136a-2

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Sequence: 1 GGCTCCACCGCCGCCCGCCAGC.....CGGACACAGCGCCGCCCGC 60

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Gapop 10.0, Gapext 1.0

Searched: 9258654 seqs, 1993127192 residues

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Maximum DB seq length: 500

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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11: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq:*
12: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq:*
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14: /SID55/ptodata/2/pubpna/US11_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	57	95.0	468	US-10-401-386B-43	Sequence 43, Appl
2	56.8	94.7	328	US-10-517-696-41	Sequence 41, Appl
3	31.4	52.3	36	US-10-401-386B-59	Sequence 59, Appl
4	26.4	44.0	414	US-10-301-480-82925	Sequence 82925, A
5	26.4	44.0	414	US-10-301-480-696334	Sequence 696334, A
6	25.6	42.7	201	US-10-995-561-53366	Sequence 53366, A
7	25.6	42.7	201	US-10-995-561-53374	Sequence 53374, A
8	25.6	42.7	201	US-10-995-561-53465	Sequence 53465, A
9	25.6	42.7	201	US-10-995-561-53479	Sequence 53479, A
10	25.6	42.7	201	US-10-995-561-53481	Sequence 53481, A
11	25.6	42.7	201	US-10-995-561-53483	Sequence 53483, A
12	25.6	42.7	201	US-10-995-561-53485	Sequence 53485, A
13	25.6	42.7	201	US-10-995-561-53486	Sequence 53486, A
14	25.6	42.7	201	US-10-995-561-53487	Sequence 53487, A
15	25.6	42.7	201	US-10-995-561-53489	Sequence 53489, A
16	25.6	42.7	201	US-10-995-561-53491	Sequence 53491, A
17	25.6	42.7	327	US-10-401-386B-41	Sequence 41, Appl
18	25.4	42.3	27	US-10-401-386B-55	Sequence 55, Appl

C	19	25.4	42.3	201	8	US-10-995-561-37155	Sequence 37155, A
C	20	25.4	42.3	201	8	US-10-995-561-73945	Sequence 73945, A
C	21	25.2	42.0	201	8	US-10-995-561-53372	Sequence 53372, A
C	22	24.8	41.3	381	6	US-10-995-561-53554	Sequence 53554, A
C	23	24.8	41.3	387	6	US-09-925-065A-483357	Sequence 483357, A
C	24	24.6	41.0	381	8	US-10-623-155-215	Sequence 215, App
C	25	24.4	40.7	201	8	US-10-995-561-11990	Sequence 11990, A
C	26	24.4	40.7	201	8	US-10-995-561-11991	Sequence 11991, A
C	27	24.4	40.7	201	8	US-10-995-561-12007	Sequence 12007, A
C	28	24.4	40.7	201	8	US-10-995-561-61686	Sequence 61686, A
C	29	24.4	40.7	201	8	US-10-995-561-61687	Sequence 61687, A
C	30	24.4	40.7	201	8	US-10-995-561-61718	Sequence 61718, A
C	31	24.4	40.7	201	8	US-10-995-561-82481	Sequence 82481, A
C	32	24.4	40.7	201	8	US-10-995-561-82482	Sequence 82482, A
C	33	24.4	40.7	201	8	US-10-995-561-82502	Sequence 82502, A
C	34	24.4	40.7	432	6	US-09-925-065A-474853	Sequence 474853, A
C	35	24.2	40.3	64	8	US-10-310-914A-4630	Sequence 4630, Ap
C	36	24	40.0	226	14	US-11-043-752-2317	Sequence 2317, Ap
C	37	24	40.0	377	14	US-11-043-752-2314	Sequence 2314, Ap
C	38	24	40.0	414	6	US-09-925-065A-496036	Sequence 496036, Ap
C	39	23.8	39.7	343	14	US-11-128-061-2535	Sequence 2535, Ap
C	40	23.8	39.7	343	14	US-11-128-061-6177	Sequence 6177, Ap
C	41	23.8	39.7	343	14	US-11-128-049-2535	Sequence 2535, Ap
C	42	23.6	39.3	343	14	US-11-128-049-6177	Sequence 6177, Ap
C	43	23.6	39.3	201	8	US-10-995-561-10872	Sequence 10872, A
C	44	23.6	39.3	201	8	US-10-995-561-35009	Sequence 35009, A
C	45	23.6	39.3	201	8	US-10-995-561-57938	Sequence 57938, A

ALIGNMENTS

RESULT 1
US-10-401-386B-43

Sequence 43, Application US/10401386B
Publication No. US20050261213A1
GENERAL INFORMATION:
APPLICANT: Patrick Branigan
APPLICANT: Theresa J Goletz
APPLICANT: David M Knight
APPLICANT: Stephen G McCarthy
APPLICANT: Bernard J Scallion
APPLICANT: Linda A Snyder
TITLE OF INVENTION: Nucleic Acid Compositions and Methods
FILE REFERENCE: CEN 310CIP
CURRENT APPLICATION NUMBER: US/10/401,386B
CURRENT FILING DATE: 2003-03-28
PRIOR APPLICATION NUMBER: 10/247,203
PRIOR FILING DATE: 2002-09-19
PRIOR APPLICATION NUMBER: 60/328,371
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 81
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 468
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(468)
US-10-401-386B-43

Query Match 95.0%; Score 57; DB 8; Length 468;
Best Local Similarity 100.0%; Pred. No. 4.8e-07;

Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCGCCCGCCAGCAGGTGTACCTCGGCCCGGACACAGCGCCGCC 57
Db 412 GGCTCCACCGCCGCCCGCCAGCAGGTGTACCTCGGCCCGGACACAGCGCCGCC 468

RESULT 2

US-10-517-696-41
; Sequence 41, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and PR
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; PRIOR FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 328
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-517-696-41

Query Match 94.7%; Score 56.8; DB 9; Length 328;
Best Local Similarity 96.7%; Pred. No. 5.7e-07;
Matches 58; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCCGCCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 60
Db 95 GGCTCCACCGCGCCCGACCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 154

RESULT 3
US-10-401-386B-59
; Sequence 59, Application US/10401386B
; Publication No. US20050261213A1
; GENERAL INFORMATION:
; APPLICANT: Patrick Branigan
; APPLICANT: Theresa J Goletz
; APPLICANT: David M Knight
; APPLICANT: Stephen J McCarthy
; APPLICANT: Bernard J Scallion
; APPLICANT: Linda A Snyder
; TITLE OF INVENTION: Nucleic Acid Compositions and Methods
; FILE REFERENCE: CEN 310CIP
; CURRENT APPLICATION NUMBER: US/10/401,386B
; PRIOR FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 10/247,203
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 60/328,371
; PRIOR FILING DATE: 2001-10-10
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (1)...(36)
US-10-401-386B-59

Query Match 52.3%; Score 31.4; DB 8; Length 36;
Best Local Similarity 97.0%; Pred. No. 7.8;
Matches 32; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCCGCCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 33
Db 4 GGCTCCACCGCGCCCGACCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 36

RESULT 4
US-10-301-480-82925/c
; Sequence 82925, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82925
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-82925

Query Match 44.0%; Score 26.4; DB 9; Length 414;
Best Local Similarity 69.2%; Pred. No. 1.3e+02;
Matches 36; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 8 CCGCCCCCGCCAGCCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 59
Db 64 CCGCCACACACCCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 13

RESULT 5
US-10-301-480-696334/c
; Sequence 696334, Application US/10301480
; Publication No. US20060057564A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms
; FILE REFERENCE: 108827.137
; CURRENT APPLICATION NUMBER: US/10/301,480
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 10/215,598
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,695
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 1226818
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 696334
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-301-480-696334

Query Match 44.0%; Score 26.4; DB 10; Length 414;
Best Local Similarity 69.2%; Pred. No. 1.3e+02;
Matches 36; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 8 CCGCCCCCGCCAGCCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 59
Db 64 CCGCCACACACCCGACCGGTGTCACTCGGCGCCGACACGAGCGGCCCG 13

RESULT 6
US-10-995-561-53366
; Sequence 53366, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF

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FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53366
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-53366

Query Match      42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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```
RESULT 7
US-10-995-561-53374
Sequence 53374, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53374
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-53374
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Query Match      42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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```
RESULT 8
US-10-995-561-53465
Sequence 53465, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53465
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-53465
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```
Query Match      42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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```
QY      2 GCTCCACCGCCCCCGCCAGCCGCTGTCACCTCGGCCCCGAGACACAGCGCGGCC 57
DB      79 GCTGCACAGCCCTCTCCAGACACCCCGCATGTCCGCATGTCCACCATGTCCACC 134
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RESULT 9
US-10-995-561-53479
Sequence 53479, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53479
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-53479
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Query Match      42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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QY      2 GCTCCACCGCCCCCGCCAGCCGCTGTCACCTCGGCCCCGAGACACAGCGCGGCC 57
DB      78 GCTGCACAGCCCTCTCCAGACACCCCGCATGTCCGCATGTCCACCATGTCCACC 133
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RESULT 10
US-10-995-561-53481
Sequence 53481, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 53481
LENGTH: 201
TYPE: DNA
ORGANISM: Homo sapiens
US-10-995-561-53481
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Query Match      42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
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QY      2 GCTCCACCGCCCCCGCCAGCCGCTGTCACCTCGGCCCCGAGACACAGCGCGGCC 57
DB      77 GCTGCACAGCCCTCTCCAGACACCCCGCATGTCCGCATGTCCACCATGTCCACC 132
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RESULT 11
US-10-995-561-53483
Sequence 53483, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
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;; CURRENT APPLICATION NUMBER: US/10/995,561
;; CURRENT FILING DATE: 2004-11-24
;; NUMBER OF SEQ ID NOS: 85702
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 53483
;; LENGTH: 201
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-995-561-53483

Query Match 42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 GCTCCACGCGCCCCCAGCCGAGTGTCACCTCGGCCCCGAGACACGAGCGCGCC 57
DB 76 GCTGCACAGCCCTCCAGACACACCCGCCATGTCCGCATGTCCACCATGTCCACC 131

RESULT 12
US-10-995-561-53485
; Sequence 53485, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53485
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-53485

Query Match 42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 GCTCCACGCGCCCCCAGCCGAGTGTCACCTCGGCCCCGAGACACGAGCGCGCC 57
DB 75 GCTGCACAGCCCTCCAGACACACCCGCCATGTCCGCATGTCCACCATGTCCACC 130

RESULT 13
US-10-995-561-53486
; Sequence 53486, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53486
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-53486

Query Match 42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 GCTCCACGCGCCCCCAGCCGAGTGTCACCTCGGCCCCGAGACACGAGCGCGCC 57

DB 72 GCTGCACAGCCCTCCAGACACACCCGCCATGTCCGCATGTCCACCATGTCCACC 127

RESULT 14
US-10-995-561-53487
; Sequence 53487, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53487
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-53487

Query Match 42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 GCTCCACGCGCCCCCAGCCGAGTGTCACCTCGGCCCCGAGACACGAGCGCGCC 57
DB 71 GCTGCACAGCCCTCCAGACACACCCGCCATGTCCGCATGTCCACCATGTCCACC 126

RESULT 15
US-10-995-561-53489
; Sequence 53489, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53489
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-53489

Query Match 42.7%; Score 25.6; DB 8; Length 201;
Best Local Similarity 66.1%; Pred. No. 2.4e+02;
Matches 37; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

QY 2 GCTCCACGCGCCCCCAGCCGAGTGTCACCTCGGCCCCGAGACACGAGCGCGCC 57
DB 70 GCTGCACAGCCCTCCAGACACACCCGCCATGTCCGCATGTCCACCATGTCCACC 125

Search completed: March 27, 2006, 14:47:07
Job time : 321.3 secs

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OM protein - protein search, using sw model

Run on: March 27, 2006, 19:42:01 ; Search time 63 seconds
(without alignments)
132.644 Million cell updates/sec

Title: US-10-057-136A-1
Perfect score: 109
Sequence: 1 GSTAPPAHGVTSAPDTRPAP 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:*

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- 2: /cgn2_6/prodata/1/pubppaa/US08_PUBCOMB.pep:*
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- 4: /cgn2_6/prodata/1/pubppaa/US10a_PUBCOMB.pep:*
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- 6: /cgn2_6/prodata/1/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	109	100.0	20	3 US-09-994-466-1	Sequence 1, Appl1
2	109	100.0	20	4 US-10-057-136-1	Sequence 1, Appl1
3	109	100.0	20	5 US-10-057-136-1	Sequence 1, Appl1
4	109	100.0	31	3 US-09-994-466-1	Sequence 11, Appl1
5	109	100.0	40	3 US-09-996-069-9	Sequence 9, Appl1
6	109	100.0	40	5 US-10-635-211-4	Sequence 4, Appl1
7	109	100.0	43	4 US-10-106-876-14	Sequence 14, Appl1
8	109	100.0	46	3 US-09-996-069-5	Sequence 5, Appl1
9	109	100.0	46	4 US-10-106-876-1	Sequence 1, Appl1
10	109	100.0	100	3 US-09-965-131-6	Sequence 6, Appl1
11	109	100.0	159	5 US-10-635-211-9	Sequence 9, Appl1
12	109	100.0	475	4 US-10-417-312-1	Sequence 1, Appl1
13	109	100.0	475	5 US-10-696-639-59	Sequence 59, Appl1
14	109	100.0	475	5 US-10-754-089-1	Sequence 5038, Ap
15	109	100.0	475	6 US-11-055-119-67	Sequence 67, Appl1
16	109	100.0	508	4 US-10-057-136-20	Sequence 20, Appl1
17	109	100.0	586	5 US-10-635-211-2	Sequence 2, Appl1
18	109	100.0	1255	3 US-09-996-069-10	Sequence 10, Appl1
19	109	100.0	1255	4 US-10-171-311-158	Sequence 158, App
20	109	100.0	1255	4 US-10-177-293-311	Sequence 311, App
21	109	100.0	1255	5 US-10-734-564-120	Sequence 120, App
22	109	100.0	1255	5 US-10-473-484-2	Sequence 2, Appl1
23	109	100.0	1255	5 US-10-977-055-2	Sequence 20, Appl1
24	109	100.0	1255	6 US-11-037-713-20	Sequence 2, Appl1
25	109	100.0	1255	6 US-11-009-533-2	Sequence 2, Appl1
26	104	95.4	495	6 US-11-055-119-2	Sequence 212, App
27	104	95.4	515	4 US-10-097-340-212	

28	104	95.4	515	4 US-10-171-311-156	Sequence 156, App
29	104	95.4	515	4 US-10-612-090-19	Sequence 19, Appl1
30	104	95.4	515	6 US-11-050-926-212	Sequence 212, App
31	103	94.5	26	3 US-09-815-346-5	Sequence 5, Appl1
32	103	94.5	26	4 US-10-106-876-8	Sequence 8, Appl1
33	103	94.5	27	3 US-09-870-691-1	Sequence 1, Appl1
34	103	94.5	27	3 US-09-999-191-1	Sequence 1, Appl1
35	103	94.5	27	4 US-10-106-876-12	Sequence 12, Appl1
36	103	94.5	28	4 US-10-106-876-13	Sequence 13, Appl1
37	100	91.7	20	4 US-10-057-136-16	Sequence 16, Appl1
38	99	90.8	20	3 US-09-984-333-9	Sequence 9, Appl1
39	99	90.8	24	4 US-10-292-896-2	Sequence 2, Appl1
40	99	90.8	24	5 US-10-705-401-2	Sequence 2, Appl1
41	99	90.8	25	3 US-09-881-339-3	Sequence 3, Appl1
42	99	90.8	25	4 US-10-417-633-3	Sequence 3, Appl1
43	99	90.8	27	3 US-09-815-346-4	Sequence 4, Appl1
44	99	90.8	27	4 US-10-106-876-7	Sequence 7, Appl1
45	99	90.8	27	4 US-10-106-876-9	Sequence 9, Appl1

ALIGNMENTS

RESULT 1
US-09-994-466-1
; Sequence 1, Application US/09994466
; Publication No. US20020132771A1
; GENERAL INFORMATION:
; APPLICANT: Madhyalakan, R
; TITLE OF INVENTION: THERAPEUTIC BINDING AGENTS AGAINST MUC-1 ANTIGEN AND METHODS FOR
; FILE REFERENCE: AREX-P03-002
; CURRENT APPLICATION NUMBER: US/09/994,466
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 09/724094
; PRIOR FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-994-466-1

Query Match 100.0%; Score 109; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.5e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAHGVTSAPDTRPAP 20
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Db 1 GSTAPPAHGVTSAPDTRPAP 20

RESULT 2
US-10-057-136-1
; Sequence 1, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253

PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
LENGTH: 20
TYPE: PRT
ORGANISM: Homo sapiens
US-10-057-136-1

Query Match 100.0%; Score 109; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.5e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 1 GSTAPPAGVTSAPDTRPAP 20

RESULT 3
US-10-754-089-1
Sequence 1, Application US/10754089
Publication No. US20050048059A1
GENERAL INFORMATION:
APPLICANT: MediValakan, Ragupathy
TITLE OF INVENTION: Therapeutic Binding Agents Against MUC-1 Antigen and
TITLE OF INVENTION: Methods
TITLE OF INVENTION: for Their Use
FILE REFERENCE: 107823.127
CURRENT APPLICATION NUMBER: US/10/754,089
CURRENT FILING DATE: 2004-01-07
PRIOR APPLICATION NUMBER: US/09/641,833
PRIOR FILING DATE: 2000-08-18
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 20
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: MUC-1 antigen
US-10-754-089-1

Query Match 100.0%; Score 109; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.5e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 1 GSTAPPAGVTSAPDTRPAP 20

RESULT 4
US-09-994-466-11
Sequence 11, Application US/09994466
Publication No. US20020132771A1
GENERAL INFORMATION:
APPLICANT: MediValakan, R.
TITLE OF INVENTION: THERAPEUTIC BINDING AGENTS AGAINST MUC-1 ANTIGEN AND METHODS FOR
TITLE OF INVENTION: THEIR USE
FILE REFERENCE: ALEX-P03-002
CURRENT APPLICATION NUMBER: US/09/994,466
CURRENT FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: 09/724094
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin version 3.2
SEQ ID NO 11
LENGTH: 31
TYPE: PRT
ORGANISM: Homo sapiens
US-09-994-466-11

Query Match 100.0%; Score 109; DB 3; Length 31;

Best Local Similarity 100.0%; Pred. No. 3.8e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 9 GSTAPPAGVTSAPDTRPAP 28

RESULT 5
US-09-996-069-9
Sequence 9, Application US/09996069
Publication No. US2003036199A1
GENERAL INFORMATION:
APPLICANT: Banded, Cynthia
APPLICANT: Banded, R. Shoshana
TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBIT
TITLE OF INVENTION: AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER
FILE REFERENCE: M01015/70071
CURRENT APPLICATION NUMBER: US/09/996,069
CURRENT FILING DATE: 2001-11-27
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
LENGTH: 40
TYPE: PRT
ORGANISM: Homo sapiens
US-09-996-069-9

Query Match 100.0%; Score 109; DB 3; Length 40;
Best Local Similarity 100.0%; Pred. No. 5e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 8 GSTAPPAGVTSAPDTRPAP 27

RESULT 6
US-10-635-211-4
Sequence 4, Application US/10635211
Publication No. US20050031649A1
GENERAL INFORMATION:
APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
TITLE OF INVENTION: and the epitope of MUC1
FILE REFERENCE: FP03012US
CURRENT APPLICATION NUMBER: US/10/635,211
CURRENT FILING DATE: 2003-08-06
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin version 3.2
SEQ ID NO 4
LENGTH: 40
TYPE: PRT
ORGANISM: Homo sapiens
US-10-635-211-4

Query Match 100.0%; Score 109; DB 5; Length 40;
Best Local Similarity 100.0%; Pred. No. 5e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 1 GSTAPPAGVTSAPDTRPAP 20

RESULT 7
US-10-106-876-14
Sequence 14, Application US/10106876
Publication No. US20030157160A1
GENERAL INFORMATION:
APPLICANT: BUDZYNSKI, WLADYSLAW A.
APPLICANT: KOGANTY, R. RAO
APPLICANT: KRANTZ, MARK J.

```
; APPLICANT: LONGENECKER, B. MICHAEL
; TITLE OF INVENTION: VACCINE FOR MODULATING BETWEEN T1 AND T2 IMMUNE
; TITLE OF INVENTION: RESPONSES
; FILE REFERENCE: 042881-0176
; CURRENT APPLICATION NUMBER: US/10/106,876
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: 60/278,698
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-106-876-14
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Query Match          100.0%; Score 109; DB 4; Length 43;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 11 GSTAPPAGVTSAPDTRPAP 30
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RESULT 8
US-09-996-069-5
; Sequence 5, Application US/09996069
; Publication No. US20030036199A1
; GENERAL INFORMATION:
; APPLICANT: Bamdad, Cynthia
; APPLICANT: Bamdad, R. Shoshana
; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBI
; TITLE OF INVENTION: AND COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER
; FILE REFERENCE: M01015/70071
; CURRENT APPLICATION NUMBER: US/09/996,069
; CURRENT FILING DATE: 2001-11-27
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-996-069-5
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Query Match          100.0%; Score 109; DB 3; Length 46;
Best Local Similarity 100.0%; Pred. No. 5.8e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 8 GSTAPPAGVTSAPDTRPAP 27
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RESULT 9
US-10-106-876-1
; Sequence 1, Application US/10106876
; Publication No. US20030157160A1
; GENERAL INFORMATION:
; APPLICANT: BUDZYNSKI, WLADYSLAW A.
; APPLICANT: KOGANTY, R. RAO
; APPLICANT: KRANTZ, MARK J.
; APPLICANT: LONGENECKER, B. MICHAEL
; TITLE OF INVENTION: VACCINE FOR MODULATING BETWEEN T1 AND T2 IMMUNE
; TITLE OF INVENTION: RESPONSES
; FILE REFERENCE: 042881-0176
; CURRENT APPLICATION NUMBER: US/10/106,876
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: 60/278,698
; PRIOR FILING DATE: 2001-03-27
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; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-106-876-1
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Query Match          100.0%; Score 109; DB 4; Length 46;
Best Local Similarity 100.0%; Pred. No. 5.8e-07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 14 GSTAPPAGVTSAPDTRPAP 33
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RESULT 10
US-09-965-131-6
; Sequence 6, Application US/09965131
; Patent No. US20020160502A1
; GENERAL INFORMATION:
; APPLICANT: Chung, Maureen A.
; APPLICANT: Sharma, Surendra
; APPLICANT: Chang, Helena R.
; APPLICANT: O'donnell, Mark A.
; TITLE OF INVENTION: RECOMBINANT BCG VACCINES FOR THE
; TITLE OF INVENTION: PREVENTION AND TREATMENT OF CANCER
; FILE REFERENCE: WII-014CP
; CURRENT APPLICATION NUMBER: US/09/965,131
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/235,455
; PRIOR FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 100
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-965-131-6
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Query Match          100.0%; Score 109; DB 3; Length 100;
Best Local Similarity 100.0%; Pred. No. 1.3e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 13 GSTAPPAGVTSAPDTRPAP 32
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RESULT 11
US-10-635-211-9
; Sequence 9, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDAX Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; TITLE OF INVENTION: and the epitope of MUC1
; FILE REFERENCE: FP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; CURRENT FILING DATE: 2003-08-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion Protein
US-10-635-211-9
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Query Match 100.0%; Score 109; DB 5; Length 159;
Best Local Similarity 100.0%; Pred. No. 2,1e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAHGVTSA PDTRPAP 20
Db 14 GSTAPPAHGVTSA PDTRPAP 33

RESULT 12

US-10-417-312-1
; Sequence 1, Application US/10417312
; Publication No. US20030235868A1
; GENERAL INFORMATION:
; APPLICANT: Dyax Corp
; TITLE OF INVENTION: Antibodies Specific for Mucin Polypeptide
; FILE REFERENCE: 2403/2002
; CURRENT FILING DATE: 2003-04-16
; PRIOR APPLICATION NUMBER: US 60/374,432
; PRIOR FILING DATE: 2002-04-22
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-417-312-1

Query Match 100.0%; Score 109; DB 4; Length 475;
Best Local Similarity 100.0%; Pred. No. 6,4e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAHGVTSA PDTRPAP 20
Db 129 GSTAPPAHGVTSA PDTRPAP 148

RESULT 13

US-10-696-639-59
; Sequence 59, Application US/10696639
; Publication No. US20050037439A1
; GENERAL INFORMATION:
; APPLICANT: Pharmacia Corporation
; APPLICANT: Bournier, Maureen J.
; TITLE OF INVENTION: DIFFERENTIALLY EXPRESSED GENES INVOLVED IN CANCER, THE
; FILE REFERENCE: 01040/1
; CURRENT FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: 60/422,176
; PRIOR FILING DATE: 2002-10-29
; NUMBER OF SEQ ID NOS: 314
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59
; LENGTH: 475
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-696-639-59

Query Match 100.0%; Score 109; DB 5; Length 475;
Best Local Similarity 100.0%; Pred. No. 6,4e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAHGVTSA PDTRPAP 20
Db 129 GSTAPPAHGVTSA PDTRPAP 148

RESULT 14

US-10-756-149-5038
; Sequence 5038, Application US/10756149

; Publication No. US20050181375A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Nataasha
; APPLICANT: Zlotnick, Albert
; TITLE OF INVENTION: NOVEL METHODS OF DIAGNOSIS OF METASTATIC CANCER, COMPOSITIONS AND
; TITLE OF INVENTION: METHODS OF SCREENING FOR MODULATORS OF METASTATIC CANCER
; FILE REFERENCE: file
; CURRENT FILING DATE: 2004-01-12
; NUMBER OF SEQ ID NOS: 5818
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5038
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-756-149-5038

Query Match 100.0%; Score 109; DB 5; Length 475;
Best Local Similarity 100.0%; Pred. No. 6,4e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAHGVTSA PDTRPAP 20
Db 129 GSTAPPAHGVTSA PDTRPAP 148

RESULT 15

US-11-055-119-67
; Sequence 67, Application US/11055119
; Publication No. US20050142640A1
; GENERAL INFORMATION:
; APPLICANT: Taylor-Papadimitriou, Joyce
; APPLICANT: Heukamp, Lukas Carl
; APPLICANT: Offringa, Rienk
; APPLICANT: Melief, Cornelis Johanna Maria
; APPLICANT: Acres, Bruce
; APPLICANT: Thomas, Mirellie
; TITLE OF INVENTION: WOC-1 derived peptides
; FILE REFERENCE: 029395-017
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: US/11/055,119
; CURRENT FILING DATE: 2005-02-11
; PRIOR APPLICATION NUMBER: US/09/658,621
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/187,215
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: GB 9921242.5
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: EP 99 40 2237.4
; PRIOR FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 67
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-055-119-67

Query Match 100.0%; Score 109; DB 6; Length 475;
Best Local Similarity 100.0%; Pred. No. 6,4e-06;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAHGVTSA PDTRPAP 20
Db 129 GSTAPPAHGVTSA PDTRPAP 148

Search completed: March 27, 2006, 19:43:24
Job time : 63 secs

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OM protein - protein search, using sw model

Run on: March 27, 2006, 19:42:31 ; Search time 10 seconds
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Title: US-10-057-136A-1

Sequence: 1 GSTAPPAGVTSAPDTRPAP 20

Scoring table: BLOSUM62
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Searched: 174695 seqs, 29494374 residues

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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	* Query Match Length	ID	Description
1	109 100.0	20 7	US-11-126-798-33	Sequence 33, Appl
2	109 100.0	23 7	US-11-126-798-34	Sequence 34, Appl
3	109 100.0	316 6	US-10-517-696-126	Sequence 126, Appl
4	109 100.0	325 6	US-10-517-696-148	Sequence 148, Appl
5	109 100.0	336 6	US-10-517-696-153	Sequence 153, Appl
6	109 100.0	350 6	US-10-517-696-125	Sequence 125, Appl
7	109 100.0	372 6	US-10-517-696-129	Sequence 129, Appl
8	109 100.0	379 6	US-10-517-696-150	Sequence 150, Appl
9	109 100.0	396 6	US-10-517-696-147	Sequence 147, Appl
10	109 100.0	398 6	US-10-517-696-136	Sequence 136, Appl
11	109 100.0	409 6	US-10-517-696-149	Sequence 149, Appl
12	109 100.0	420 6	US-10-517-696-141	Sequence 141, Appl
13	109 100.0	463 6	US-10-517-696-121	Sequence 121, Appl
14	109 100.0	475 6	US-10-501-035-309	Sequence 309, Appl
15	109 100.0	475 6	US-10-517-696-117	Sequence 117, Appl
16	109 100.0	483 6	US-10-517-696-132	Sequence 132, Appl
17	109 100.0	484 6	US-10-517-696-120	Sequence 120, Appl
18	109 100.0	485 6	US-10-517-696-142	Sequence 142, Appl
19	109 100.0	492 6	US-10-517-696-131	Sequence 131, Appl
20	109 100.0	515 6	US-10-517-696-114	Sequence 114, Appl
21	109 100.0	517 6	US-10-517-696-144	Sequence 144, Appl
22	109 100.0	524 6	US-10-517-696-113	Sequence 113, Appl
23	109 100.0	524 6	US-10-517-696-122	Sequence 122, Appl
24	109 100.0	614 6	US-10-517-696-128	Sequence 128, Appl
25	109 100.0	728 6	US-10-517-696-112	Sequence 112, Appl

26	109 100.0	1255 7	US-11-050-857-487	Sequence 487, Appl
27	109 100.0	1255 7	US-11-043-806-398	Sequence 398, Appl
28	109 100.0	1256 6	US-10-517-696-111	Sequence 111, Appl
29	102 93.6	156 6	US-10-401-386B-44	Sequence 44, Appl
30	101 92.7	109 6	US-10-517-696-115	Sequence 115, Appl
31	99 90.8	24 7	US-11-033-365-140	Sequence 140, Appl
32	97 89.0	307 6	US-10-401-386B-31	Sequence 31, Appl
33	91 83.5	20 7	US-11-202-516-33	Sequence 33, Appl
34	90 82.6	174 6	US-10-517-696-116	Sequence 116, Appl
35	88 80.7	20 7	US-11-126-798-55	Sequence 55, Appl
36	86 78.9	256 6	US-10-517-696-130	Sequence 130, Appl
37	86 78.9	435 6	US-10-517-696-123	Sequence 123, Appl
38	72 66.1	20 7	US-11-033-365-138	Sequence 138, Appl
39	72 66.1	20 7	US-11-033-365-139	Sequence 139, Appl
40	68 62.4	20 6	US-10-618-481-50	Sequence 50, Appl
41	60 55.0	12 6	US-10-401-386B-60	Sequence 60, Appl
42	55 50.5	933 7	US-11-072-512-2299	Sequence 2299, Appl
43	51 46.8	293 7	US-11-096-568A-15588	Sequence 15588, A
44	51 46.8	297 7	US-11-096-568A-15587	Sequence 15587, A
45	51 46.8	336 7	US-11-096-568A-15586	Sequence 15586, A

ALIGNMENTS

RESULT 1
US-11-126-798-33
Sequence 33, Application US/11126798
Publication No. US20060018895A1
GENERAL INFORMATION:
APPLICANT: Chatterjee, Malaya
Foon, Kenneth A.
TITLE OF INVENTION: MURINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSES:
ADDRESSER: MORRISON & FORSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/126,798
FILING DATE: 10-May-2005
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/836,455
FILING DATE: 09-May-1997
ATTORNEY/AGENT INFORMATION:
NAME: Polizzi, Catherine M.
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 30414-20003.22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: 9
OTHER INFORMATION: /note= "May also be the amino acid

FEATURE:
NAME/KEY: Modified-site
LOCATION: 15
OTHER INFORMATION: /note= "May also be the amino acid
glutamine(E)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 16
OTHER INFORMATION: /note= "May also be the amino acid
serine(S)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 19
OTHER INFORMATION: /note= "May also be the amino acid
proline(P)"
SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-11-126-798-33

Query Match 100.0%; Score 109; DB 7; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 1 GSTAPPAGVTSAPDTRPAP 20

RESULT 2
US-11-126-798-34
Sequence 34, Application US/11126798
Publication No. US20060018895A1
GENERAL INFORMATION:
APPLICANT: Chatterjee, Malaya
Foon, Kenneth A.
TITLE OF INVENTION: MURINE MONOCLONAL ANTI-ID10TYPE ANTIBODY
11D10 AND METHODS OF USE THEREOF
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSER: MORRISON & FORBSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/126,798
FILING DATE: 10-May-2005
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/836,455
FILING DATE: 09-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Polizzi, Catherine M.
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 30414-20003.22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:

NAME/KEY: Modified-site
LOCATION: 12
OTHER INFORMATION: /note= "May also be the amino acid
arginine(R)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 18
OTHER INFORMATION: /note= "May also be the amino acid
glutamine(E)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 19
OTHER INFORMATION: /note= "May also be the amino acid
serine(S)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 22
OTHER INFORMATION: /note= "May also be the amino acid
proline(P)"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2
OTHER INFORMATION: /note= "May also be the amino acid
proline(P)"
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-11-126-798-34

Query Match 100.0%; Score 109; DB 7; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.9e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 4 GSTAPPAGVTSAPDTRPAP 23

RESULT 3
US-10-517-696-126
Sequence 126, Application US/10517696
Publication No. US20060051759A1
GENERAL INFORMATION:
APPLICANT: diadexus, Inc.
APPLICANT: Salceda, Susana
APPLICANT: Macina, Roberto A.
APPLICANT: Turner, Leah R.
APPLICANT: Sun, Yongming
APPLICANT: Liu, Chenghua
TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Prc
FILE REFERENCE: DEX-0432
CURRENT APPLICATION NUMBER: US/10/517,696
PRIOR FILING DATE: 2004-12-13
PRIOR APPLICATION NUMBER: US 60/389,327
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 171
SOFTWARE: PatentIn version 3.1
SEQ ID NO 126
LENGTH: 316
TYPE: PRT
ORGANISM: Homo sapien
US-10-517-696-126

Query Match 100.0%; Score 109; DB 6; Length 316;
Best Local Similarity 100.0%; Pred. No. 3.2e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GSTAPPAGVTSAPDTRPAP 20
Db 138 GSTAPPAGVTSAPDTRPAP 157

RESULT 4
US-10-517-696-148
Sequence 148, Application US/10517696

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/ Publication No. US20060051759A1
/ GENERAL INFORMATION:
/ APPLICANT: diadexus, Inc.
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto A.
/ APPLICANT: Turner, Leah R.
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
/ FILE REFERENCE: DEX-0432
/ CURRENT APPLICATION NUMBER: US/10/517,696
/ CURRENT FILING DATE: 2004-12-13
/ PRIOR APPLICATION NUMBER: US 60/389,327
/ PRIOR FILING DATE: 2002-06-14
/ NUMBER OF SEQ ID NOS: 171
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 148
/ LENGTH: 325
/ TYPE: PRT
/ ORGANISM: Homo sapien
US-10-517-696-148

Query Match          100.0%; Score 109; DB 6; Length 325;
Best Local Similarity 100.0%; Pred. No. 3.3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GSTAPPAGVTSAPDTRPAP 20
DB      138 GSTAPPAGVTSAPDTRPAP 157

RESULT 5
US-10-517-696-153
/ Sequence 153, Application US/10517696
/ Publication No. US20060051759A1
/ GENERAL INFORMATION:
/ APPLICANT: diadexus, Inc.
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto A.
/ APPLICANT: Turner, Leah R.
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
/ FILE REFERENCE: DEX-0432
/ CURRENT APPLICATION NUMBER: US/10/517,696
/ CURRENT FILING DATE: 2004-12-13
/ PRIOR APPLICATION NUMBER: US 60/389,327
/ PRIOR FILING DATE: 2002-06-14
/ NUMBER OF SEQ ID NOS: 171
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 153
/ LENGTH: 336
/ TYPE: PRT
/ ORGANISM: Homo sapien
US-10-517-696-153

Query Match          100.0%; Score 109; DB 6; Length 336;
Best Local Similarity 100.0%; Pred. No. 3.4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GSTAPPAGVTSAPDTRPAP 20
DB      138 GSTAPPAGVTSAPDTRPAP 157

RESULT 6
US-10-517-696-125
/ Sequence 125, Application US/10517696
/ Publication No. US20060051759A1
/ GENERAL INFORMATION:
/ APPLICANT: diadexus, Inc.
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto A.
/ APPLICANT: Turner, Leah R.
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
/ FILE REFERENCE: DEX-0432
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```
/ APPLICANT: Turner, Leah R.
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
/ FILE REFERENCE: DEX-0432
/ CURRENT APPLICATION NUMBER: US/10/517,696
/ CURRENT FILING DATE: 2004-12-13
/ PRIOR APPLICATION NUMBER: US 60/389,327
/ PRIOR FILING DATE: 2002-06-14
/ NUMBER OF SEQ ID NOS: 171
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 125
/ LENGTH: 350
/ TYPE: PRT
/ ORGANISM: Homo sapien
US-10-517-696-125

Query Match          100.0%; Score 109; DB 6; Length 350;
Best Local Similarity 100.0%; Pred. No. 3.5e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GSTAPPAGVTSAPDTRPAP 20
DB      138 GSTAPPAGVTSAPDTRPAP 157

RESULT 7
US-10-517-696-129
/ Sequence 129, Application US/10517696
/ Publication No. US20060051759A1
/ GENERAL INFORMATION:
/ APPLICANT: diadexus, Inc.
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto A.
/ APPLICANT: Turner, Leah R.
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
/ FILE REFERENCE: DEX-0432
/ CURRENT APPLICATION NUMBER: US/10/517,696
/ CURRENT FILING DATE: 2004-12-13
/ PRIOR APPLICATION NUMBER: US 60/389,327
/ PRIOR FILING DATE: 2002-06-14
/ NUMBER OF SEQ ID NOS: 171
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 129
/ LENGTH: 372
/ TYPE: PRT
/ ORGANISM: Homo sapien
US-10-517-696-129

Query Match          100.0%; Score 109; DB 6; Length 372;
Best Local Similarity 100.0%; Pred. No. 3.8e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GSTAPPAGVTSAPDTRPAP 20
DB      138 GSTAPPAGVTSAPDTRPAP 157

RESULT 8
US-10-517-696-150
/ Sequence 150, Application US/10517696
/ Publication No. US20060051759A1
/ GENERAL INFORMATION:
/ APPLICANT: diadexus, Inc.
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto A.
/ APPLICANT: Turner, Leah R.
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
/ FILE REFERENCE: DEX-0432
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; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 150
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-517-696-150

Query Match          100.0%; Score 109; DB 6; Length 379;
Best Local Similarity 100.0%; Pred. No. 3.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GSTAPPAHGVSAPDTRPAP 20
Db      138 GSTAPPAHGVSAPDTRPAP 157

RESULT 9
US-10-517-696-147
; Sequence 147, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and P
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 147
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-517-696-147

Query Match          100.0%; Score 109; DB 6; Length 396;
Best Local Similarity 100.0%; Pred. No. 4e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GSTAPPAHGVSAPDTRPAP 20
Db      138 GSTAPPAHGVSAPDTRPAP 157

RESULT 10
US-10-517-696-136
; Sequence 136, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and P
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 136
; LENGTH: 398
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-517-696-136

Query Match          100.0%; Score 109; DB 6; Length 398;
Best Local Similarity 100.0%; Pred. No. 4.1e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GSTAPPAHGVSAPDTRPAP 20
Db      138 GSTAPPAHGVSAPDTRPAP 157

RESULT 11
US-10-517-696-149
; Sequence 149, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and P
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 149
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-517-696-149

Query Match          100.0%; Score 109; DB 6; Length 409;
Best Local Similarity 100.0%; Pred. No. 4.2e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GSTAPPAHGVSAPDTRPAP 20
Db      138 GSTAPPAHGVSAPDTRPAP 157

RESULT 12
US-10-517-696-141
; Sequence 141, Application US/10517696
; Publication No. US20060051759A1
; GENERAL INFORMATION:
; APPLICANT: diadexus, Inc.
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto A.
; APPLICANT: Turner, Leah R.
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and P
; FILE REFERENCE: DEX-0432
; CURRENT APPLICATION NUMBER: US/10/517,696
; CURRENT FILING DATE: 2004-12-13
; PRIOR APPLICATION NUMBER: US 60/389,327
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 171
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 141
; LENGTH: 420
; TYPE: PRT
; ORGANISM: Homo sapien
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US-10-517-696-141

Query Match 100.0%; Score 109; DB 6; Length 420;
Best Local Similarity 100.0%; Pred. No. 4.3e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 74 GSTAPPAGVTSAPDTRPAP 93

RESULT 13

US-10-517-696-121
; Sequence 121, Application US/10517696
; Publication No. US20060051759A1

GENERAL INFORMATION:
APPLICANT: diadexus, Inc.
APPLICANT: Salceda, Susana
APPLICANT: Macina, Roberto A.
APPLICANT: Turner, Leah R.
APPLICANT: Liu, Chenghua
TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
FILE REFERENCE: DEX-0432
CURRENT APPLICATION NUMBER: US/10/517,696
CURRENT FILING DATE: 2004-12-13
PRIOR APPLICATION NUMBER: US 60/389,327
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 171
SOFTWARE: PatentIn version 3.1
SEQ ID NO 121
LENGTH: 463
TYPE: PRT
ORGANISM: Homo sapien
US-10-517-696-121

Query Match 100.0%; Score 109; DB 6; Length 463;
Best Local Similarity 100.0%; Pred. No. 4.8e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 117 GSTAPPAGVTSAPDTRPAP 136

RESULT 14

US-10-501-035-309
; Sequence 309, Application US/10501035
; Publication No. US20060046249A1

GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES AND POLYPEPTIDE FOR PREDICTING
TITLE OF INVENTION: ACTIVITY OF COMPOUNDS THAT INTERACT WITH PROTEIN TYROSINE KINASE
FILE REFERENCE: D0185 PCT
CURRENT APPLICATION NUMBER: US/10/501,035
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US 60/350,061
PRIOR FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 795
SOFTWARE: PatentIn version 3.2
SEQ ID NO 309
LENGTH: 475
TYPE: PRT
ORGANISM: Homo sapiens
US-10-501-035-309

Query Match 100.0%; Score 109; DB 6; Length 475;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
|||||

DB 129 GSTAPPAGVTSAPDTRPAP 148

RESULT 15
US-10-517-696-117
; Sequence 117, Application US/10517696
; Publication No. US20060051759A1

GENERAL INFORMATION:
APPLICANT: diadexus, Inc.
APPLICANT: Salceda, Susana
APPLICANT: Macina, Roberto A.
APPLICANT: Turner, Leah R.
APPLICANT: Liu, Chenghua
TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and Pr
FILE REFERENCE: DEX-0432
CURRENT APPLICATION NUMBER: US/10/517,696
CURRENT FILING DATE: 2004-12-13
PRIOR APPLICATION NUMBER: US 60/389,327
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 171
SOFTWARE: PatentIn version 3.1
SEQ ID NO 117
LENGTH: 475
TYPE: PRT
ORGANISM: Homo sapien
US-10-517-696-117

Query Match 100.0%; Score 109; DB 6; Length 475;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSTAPPAGVTSAPDTRPAP 20
DB 129 GSTAPPAGVTSAPDTRPAP 148

Search completed: March 27, 2006, 19:43:40
Job time : 10 secs

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APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 13
LENGTH: 78
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-13

Query Match 94.7%; Score 56.8; DB 5; Length 78;
Best Local Similarity 96.7%; Pred. No. 3.7e-08;
Matches 58; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCCG 60
Db 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCCG 60

RESULT 3
US-09-864-258
Sequence 258, Application US/09864864
Patent No. US20020102679A1
GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Mitchell, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Dillon, Davin C.
APPLICANT: Secrist, Heather
APPLICANT: Lodes, Michael J.
APPLICANT: Algate, Paul A.
APPLICANT: Fling, Steve P.
APPLICANT: Mannion, Jape
APPLICANT: Benson, Darin R.
APPLICANT: Carter, Darick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
FILE REFERENCE: 210121,523
CURRENT APPLICATION NUMBER: US/09/864,864
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 341
SOFTWARE: Corixa Invention Disclosure Database
SEQ ID NO 258
LENGTH: 164
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(164)
OTHER INFORMATION: n = A,T,C or G
US-09-864-864-258

Query Match 90.3%; Score 54.2; DB 3; Length 164;
Best Local Similarity 93.3%; Pred. No. 1.9e-07;
Matches 56; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCCG 60
Db 42 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCCG 101

RESULT 4

US-10-057-136-14
Sequence 14, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFER, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 14
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-14

Query Match 87.0%; Score 52.2; DB 5; Length 60;
Best Local Similarity 94.7%; Pred. No. 1e-06;
Matches 54; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCC 57
Db 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCC 57

RESULT 5
US-10-057-136-7
Sequence 7, Application US/10057136
Publication No. US20030021770A1
GENERAL INFORMATION:
APPLICANT: SCHLOM, JEFFREY
APPLICANT: KANTOR, JUDITH
APPLICANT: KUFER, DONALD
APPLICANT: PANICALI, DENNIS
APPLICANT: GRITZ, LINDA
TITLE OF INVENTION: RECOMBINANT FOX VIRUS FOR IMMUNIZATION AGAINST MUC1
FILE REFERENCE: 700953/47113C
CURRENT APPLICATION NUMBER: US/10/057,136
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: 09/366,670
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: PCT/US98/03693
PRIOR FILING DATE: 1998-02-24
PRIOR APPLICATION NUMBER: 60/038,253
PRIOR FILING DATE: 1997-02-24
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 60
TYPE: DNA
ORGANISM: Homo sapiens
US-10-057-136-7

Query Match 71.7%; Score 43; DB 5; Length 60;
Best Local Similarity 83.1%; Pred. No. 0.00065;
Matches 49; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCC 59
Db 1 GGCTCCACCGCCCCCGACGCCAGGTGTCACTCGGCCCCGACACACAGGCCGCGCC 59


```
RESULT 6
US-10-635-211-3
; Sequence 3, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDVAX Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; FILE REFERENCE: PP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; CURRENT FILING DATE: 2003-08-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 120
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(120)
US-10-635-211-3

Query Match      68.0%; Score 40.8; DB 8; Length 120;
Best Local Similarity 80.0%; Pred. No. 0.0025;
Matches 48; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      1 GGCCTCACCAGCCGCCCGCCGACGCTGTCACCTCGGCCCCGAGACACAGCGCGCCCG 60
DB      1 GGTTCACGCGCTCCGCGGCTCACGGTGTACCTGCTCCGGACACCCGCTCGGCTCCG 60

RESULT 7
US-10-635-211-8/c
; Sequence 8, Application US/10635211
; Publication No. US20050031649A1
; GENERAL INFORMATION:
; APPLICANT: Beijing HYDVAX Biotechnology Co. Ltd
; TITLE OF INVENTION: A recombinant fusion protein comprising BCG heat shock protein 65
; FILE REFERENCE: PP03012US
; CURRENT APPLICATION NUMBER: US/10/635,211
; CURRENT FILING DATE: 2003-08-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 162
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-10-635-211-8

Query Match      68.0%; Score 40.8; DB 8; Length 162;
Best Local Similarity 80.0%; Pred. No. 0.0023;
Matches 48; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      1 GGCCTCACCAGCCGCCCGCCGACGCTGTCACCTCGGCCCCGAGACACAGCGCGCCCG 60
DB      138 GGTTCACGCGCTCCGCGGCTCACGGTGTACCTGCTCCGGACACCCGCTCGGCTCCG 79

RESULT 8
US-10-057-136-10
; Sequence 10, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
```

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; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-10

Query Match      63.7%; Score 38.2; DB 5; Length 60;
Best Local Similarity 78.0%; Pred. No. 0.019;
Matches 46; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      1 GGCCTCACCAGCCGCCCGCCGACGCTGTCACCTCGGCCCCGAGACACAGCGCGCCCG 59
DB      1 GGTTCACGCGCTCCGCGGCTCACGGTGTACCTGCTCCGGACACCCGCTCGGCTCCG 59

RESULT 9
US-10-057-136-11
; Sequence 11, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-057-136-11

Query Match      60.0%; Score 36; DB 5; Length 60;
Best Local Similarity 75.0%; Pred. No. 0.089;
Matches 45; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY      1 GGCCTCACCAGCCGCCCGCCGACGCTGTCACCTCGGCCCCGAGACACAGCGCGCCCG 60
DB      1 GGTTCACGCGCTCCGCGGCTCACGGTGTACCTGCTCCGGACACCCGCTCGGCTCCG 60

RESULT 10
US-09-918-995-29996/c
; Sequence 29996, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
```

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; TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 29996
; LENGTH: 364
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-918-995-29996

Query Match
Best Local Similarity 59.0%; Score 35.4; DB 3; Length 364;
Matches 36; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGCTCCACCGCCGCCGACGCGTGTCACTCGG 37
DB 37 GGCTCCACCGCCGCCGACGCGTGTCACTCGG 1

RESULT 11
; Sequence 5, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUPF, DONALD
; APPLICANT: PANICALI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; CURRENT FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-057-136-5

Query Match
Best Local Similarity 58.3%; Score 35; DB 5; Length 60;
Matches 44; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1 GGCTCCACCGCCGCCGACGCGTGTCACTCGGCGCCGACGCGCGCC 59
DB 1 GGATCCACCGCGCGCGCTGTGACGAGTGTGCGCGCCGACGCGCGCGCTCC 59

RESULT 12
; Sequence 10883, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGER, Slonchou
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICING
; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
```

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; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 10883
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-908-975-10883

Query Match
Best Local Similarity 55.7%; Score 33.4; DB 3; Length 60;
Matches 37; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 18 AGCCACGCTGTCACTCGGCGCCCGACACGCGCGCGCCG 60
DB 60 AGCCGTGCTGTCACTCGGCGCCCGAGAGACGCGCGCGCCG 18

RESULT 13
; Sequence 4, Application US/10471607
; Publication No. US20040115740A1
; GENERAL INFORMATION:
; APPLICANT: The Victoria University of Manchester
; APPLICANT: Benson, Roderick
; TITLE OF INVENTION: Intracellular analysis.
; FILE REFERENCE: P088857PWO
; CURRENT APPLICATION NUMBER: US/10/471,607
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: GB 0108165.2
; PRIOR FILING DATE: 3001-03-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 4
; LENGTH: 93
; TYPE: DNA
; ORGANISM: Artificial
; OTHER INFORMATION: Artificial epitope construct
; US-10-471-607-4

Query Match
Best Local Similarity 55.0%; Score 33; DB 7; Length 93;
Matches 39; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 GGCTCCACCGCCGCCGACGCGTGTCACTCGGCGCGGACGACCA 49
DB 57 GGCTCCACGAGCCGCCGAGCTCATGTGTCACTGATCGCGGAGTCA 9

RESULT 14
; Sequence 6, Application US/10471607
; Publication No. US20040115740A1
; GENERAL INFORMATION:
; APPLICANT: The Victoria University of Manchester
; APPLICANT: Benson, Roderick
; TITLE OF INVENTION: Intracellular analysis.
; FILE REFERENCE: P088857PWO
; CURRENT APPLICATION NUMBER: US/10/471,607
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: GB 0108165.2
; PRIOR FILING DATE: 3001-03-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 157
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```

: TYPE: DNA
: ORGANISM: Artificial
: FEATURE:
: OTHER INFORMATION: Artificial epitope construct
US-10-471-607-6

```

Query Match	55.0%	Score 33;	DB 7;	Length 157;
Best Local Similarity	79.6%;	Pred. No. 0.56;		
Matches 39;	Conservative 0;	Mismatches 10;	Indels 0;	Gaps 0;

QY 1 GGCTCAACGGCCCCCAGCCCAAGGTGTCACCTGGCCCCGACACCA 49
 |||||
 Db 101 GGCTCAACAGCCCCCCAGCTCATGTGTGTCACCTGAGCTCCGAGTGA 149

RESULT 15

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US-10-057-136-15
; Sequence 15, Application US/10057136
; Publication No. US20030021770A1
; GENERAL INFORMATION:
; APPLICANT: SCHLOM, JEFFREY
; APPLICANT: KANTOR, JUDITH
; APPLICANT: KUFE, DONALD
; APPLICANT: PANICALLI, DENNIS
; APPLICANT: GRITZ, LINDA
; TITLE OF INVENTION: RECOMBINANT POX VIRUS FOR IMMUNIZATION AGAINST MUC1
; TITLE OF INVENTION: TUMOR-ASSOCIATED ANTIGEN
; FILE REFERENCE: 700953/47113C
; CURRENT APPLICATION NUMBER: US/10/057,136
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/366,670
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: PCT/US98/03693
; PRIOR FILING DATE: 1998-02-24
; PRIOR APPLICATION NUMBER: 60/038,253
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 39
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-057-136-15

```

Query Match	54.3%	Score 32.6;	DB 5;	Length 39;
Best Local Similarity	89.7%;	Pred. No. 1.1;		
Matches 35; Conservative	0;	Mismatches 4;	Indels 0;	Gaps 0;

[illegible]

Search completed: March 27, 2006, 17:07:45
Job time : 371.4 secs

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